

SA-403-30101

SUMMARY REPORT
OF THE
LIMITED ASBESTOS ASSESSMENT SURVEY
FOR
SELECT BUILDINGS WITHIN THE BUNKER HILL SUPERFUND SITE
IN
KELLOGG, IDAHO

Project Number: SA94-051

October 27, 1994

PREPARED FOR:

Mr. Bob Gentry
RUST Remedial Services
P.O. Box 720
Kellogg, Idaho 83837

PREPARED BY:

MCS ENVIRONMENTAL, MOUNTAIN LABORATORIES
2310 N. CHERRY STREET
SPOKANE, WASHINGTON 99216

RECEIVED
NOV 18 1994

USEPA SF



1203929

SUPERFUND REMEDIAL

10.03.01.01

TABLE OF CONTENTS

<u>SECTION</u>	<u>TITLE</u>	<u>PAGE</u>
	EXECUTIVE SUMMARY	i
1.0	INTRODUCTION	1
2.0	OBJECTIVE	1
3.0	ASSESSMENT SURVEY PARAMETERS	1
	3.1 Assessment/Priority Level Determination . .	2
	3.2 Laboratory/Analytical	3
4.0	CONCLUSIONS	6

LIST OF APPENDICES

- Appendix A Sample Location Log
- Appendix B Project Drawings
- Appendix C Petrographic Analysis Sheets
- Appendix D Certifications and Accreditation

EXECUTIVE SUMMARY

MCS Environmental was contacted by Mr. Bob Gentry of RUST Remedial Services, to conduct an Limited Asbestos Inspection of specified buildings within the Bunker Hill Superfund Site, Kellogg, Idaho. The inspection parameters included the Concentrator Building, Conveyor, Silo, Power House building, Trestle and Pump House, and two out building west of the Concentrator Building. Information on previously sampled materials was provided to our inspector through the on site abatement contractor.

Materials not included in this limited inspection should be considered to be asbestos containing until otherwise sampled to verify the content of the materials.

The Inspection/Hazard Assessment of this location began on October 19, 1994 by Mr. Karl Hauseur, Accredited Asbestos Inspector (Certification # 550681178).

Our survey findings and related report conclusions are based solely on information obtained from our site observations and analytical data.

Based on our professional experience and expertise in environmental affairs, along with information and data gathered from the inspection, it is our qualified professional opinion that there are asbestos containing building materials (ACBM's) present in the buildings surveyed at the Bunker Hill Superfund Site, Kellogg, Idaho. These materials are in generally fair to poor condition. The presence of these asbestos-containing materials has the potential to impact the staff, outside contractors, visitors, etc., and liability based on any fiber release that may occur from improper demolition procedures, and ambient fall-out.

The findings and conclusions presented here are not to be construed as legal advice.

1.0 INTRODUCTION

MCS Environmental was contacted by Mr. Bob Gentry of RUST Remedial Services, Kellogg, Idaho to conduct an Limited Asbestos Inspection of the identified buildings within the Bunker Hill Superfund Site, Kellogg, Idaho. The subject buildings inspected are scheduled for demolition.

2.0 OBJECTIVE

The intent of the project was to conduct a pre-demolition Asbestos Inspection of the identified buildings at the Bunker Hill Superfund Site, Kellogg, Idaho.

The survey of this location was conducted through visual evaluation, classification and analysis of suspect asbestos-containing materials that had been used in the construction/remodeling of the various buildings. Following is a list of tasks included in the Limited Asbestos Inspection:

- Visual inspection and assessment of all suspect building materials within the identified buildings to determine condition of the material.
- Collection and analysis of bulk samples from suspect materials identified during the visual survey of the specified buildings.
- Preparation of an Inspection Report summarizing identified ACM's, quantifying ACM's, assessment of ACM's.

3.0 ASSESSMENT SURVEY PARAMETERS

MCS Environmental's Limited Asbestos Inspection of the identified buildings within the Bunker Hill Superfund Site, Kellogg, Idaho was conducted by Mr. Karl Hauseur, Accredited Asbestos Inspector.

Samples of suspect ACM materials were collected by MCS Environmental during the inspection/hazard assessment of this structure.

Seven categories are used for assessing materials as mandated by 40 CFR section 763.88, Assessment. They are as follows:

- (1) Damaged or significantly damaged thermal system insulation ACM.
- (2) Damaged friable surfacing ACM.
- (3) Significantly damaged friable surfacing ACM.
- (4) Damaged or significantly damaged friable miscellaneous ACM.
- (5) ACBM with potential for damage.
- (6) ACBM with potential for significant damage.
- (7) Any remaining friable ACBM or friable suspected ACBM.

3.1 LABORATORY/ANALYTICAL

Two Hundred Twenty Five (225) samples of suspect ACM's were collected from the identified buildings within the Bunker Hill Superfund Site, Kellogg, Idaho in conjunction with this Limited Asbestos Inspection.

The samples were submitted to Mountain Laboratories for analysis during the extended inspection process. Mountain Laboratories participates in the National Voluntary Laboratory Accreditation Program (NVLAP) for Bulk Asbestos Analysis, governed by the National Institute for Standards and Technology (NIST) - NVLAP I.D. #1890. Sample analysis was performed to determine asbestos type and content using Polarized Light Microscopy, supplemented by Dispersion Staining (PLM/DS) in accordance with the following methodologies:

- | | |
|------------|---|
| USEPA | "Interim Method for the Dispersion of Asbestos in Bulk Insulation Samples", (40 CFR Part 763, Subpart F, Appendix A, May 27, 1982); |
| ASTM Draft | "Standard Method for Asbestos Containing Materials by Polarized Light Microscopy", (Committee D22.05, January 14, 1988). |

3.2 SUSPECT ASBESTOS BULK SAMPLES

Suspect asbestos-containing materials were collected in accordance with the guidelines as listed in 40 CFR section 763.85 of AHERA. Suspect asbestos-containing materials were sampled to determine the type, and percentage of asbestos by volume in them. Select suspect materials were sampled a minimum of three (3) times. Accepted practice recognizes that all three (3) samples must be negative (non-asbestos containing) for that material to no longer be classified as suspect. If one (1) of the three (3) samples comes back positive (asbestos-containing) then that material is considered ACM.

The complete listing of the suspect materials identified and sampled during this inspection, and the locations of the samples collected are listed in the attached appendix.

4.0 CONCLUSIONS

Our assessment survey findings and related report conclusions are based strictly on information obtained from our site observations and from sample analysis.

On the basis of the information gathered and recorded here, and for the purposes of this Limited Asbestos Inspection, it is our qualified professional opinion that ACM's are present in select building materials used in the construction of various building at the Bunker Hill Superfund Site buildings, Kellogg, Idaho.

The following materials tested ACM POSITIVE for asbestos content.

- Second out building (little house) west of the concentrator building contains: 9" x 9" Vinyl Floor Tile (VFT) and associated mastic and previously identified Cement Asbestos Board (CAB) exterior siding.
- First out building west of the concentrator building contains: 9" x 9" VFT and CAB siding debris on the floor of the upper level, CAB in the storage shelves, electric panel backing at the north wall and previously identified ACM pipe insulation stored in boxes are within the interior of the building. On the exterior of the building is tar paper under the CAB siding, and window glaze on the exterior of building.
- Concentrator building: The Main roof system contains three layers of tar paper in addition to the previously identified ACM'S. The shed roof at the south east corner of the concentrator building has what appears to be two layers of tar paper with the bottom layer being ACM positive. This is due to the layer of ACM silver paint (15-20% Chrysotile) on composite roofing material. In addition, there is ACM silver paint on the metal. Window glaze (gray in color) was identified within the building. On the lower level of the north west corner of the concentrator building is a shed roof system that is ACM positive (silver paint) on the surface of the bottom layer of composite roof material covered with a layer of tar paper and metal.
- Trestle and Pump House: The Pump House roof tested ACM positive for roof mastic on the top surface only. On the Trestle deck is two sections of 10" dia. pipe with a ACM covering, this pipe is located near the pump house.
- Power Plant: The Shed Roof on the east end of the Power Plant has composite roofing material in very poor condition. The silver paint and mastic on metal roofing tested ACM positive on the pitched roof section, as did all samples of this material collected form the demolished portion of the power plant. In some areas the silver paint has delaminated from the metal roofing materials and from the composite roofing materials and is distributed throughout the demolition debris.

The results of the remaining materials tested are listed in the sample location log tables in appendix A.

Other suspect materials were observed during this limited survey, but were not sampled and should be assumed to be asbestos containing until such time as they are tested. These materials include the following:

A single box of Vinyl Floor Tile, labeled as asbestos containing was observed in the basement laboratory area of the Concentrator building. This material should be removed prior to the demolition of the structure.

Various boxes of Thermal System Insulation was observed in the first out building west of the Concentrator Building. The on site abatement contractor stated that they will remove this material prior to the building demolition as part of their scope of work.

Other materials not sampled include, miscellaneous materials such as gaskets and valve packings associated with the thermal equipment within the various structures. The internal wall insulation material of the boiler heat exchanger where observed was fiberglass, the uttermost interior was not sampled due to accessibility and safety concerns associated with these areas.

LIMITED ASBESTOS ASSESSMENT SURVEY

for

Bunker Hill Superfund Site buildings
Kellogg, Idaho

MCS Environmental hereby certifies that the Inspection survey of the select buildings within the Bunker Hill Superfund Site, Kellogg, Idaho was conducted under the protocols of 40 CFR 763.85. All policies and procedures listed under 40 CFR 763 for AHERA purposes have been followed/met. All work and statements contained herein are certified true and correct to the best of MCS Environmental's ability, and using "State of the Art" practices.

Inspector: D. Kauflhausen Date: 11-3-94

Certificate #: SSO-68-1178

Issued by: HAZCON, Date: 4-18-94

Laboratory Manager: Taren Kinder Date: 11/3/94

Laboratory Number: 1890

NIST/NVLAP Accreditation Number: 1890

APPENDIX A

SAMPLE LOCATION LOG

MCS ENVIRONMENTAL			SAMPLE LOCATION LOG					
Client Name: RUST Remedial Services			Inspector Name: Karl Hauseur			CH = Chrysotile		
Project Name: BUNKER HILL			Date: 10-19-94 to 10-27-94			AM = Amosite		
Project Number: SA94-051						N/D = Non Detect		
Building: CONCENTRATOR BUILDING						N/A = Non Applicable		
						TSI = Thermal System Insul.		
						SUR = Surfacing Materials		
						Misc. = Miscellaneous		
SAMP. NO.	SAMPLE LOCATION	MATERIAL DESCRIPTION	% ACM	FRIABLE	TYPE	AHERA CATEGORY	QUANTITY	COMMENTS
051-01	West roof at ridge	Top layer of tar paper	40% CH	No	Misc.	N / A	50K SQ.FT.	
051-02	West roof at ridge	Middle layer of tar paper	40% CH	No	Misc.	N / A	50K SQ.FT.	
051-03	West roof at ridge	Bottom layer of tar paper	35% CH	No	Misc	N / A	50K SQ.FT.	
051-04	Center roof at ridge	Top layer of tar paper,	40% CH	No	Misc	N / A	See # 01	
051-05	Center roof at ridge	Middle layer of tar paper	40% CH	No	Misc	N / A	See # 02	
051-06	Center roof at ridge	Bottom layer of tar paper	40% CH	No	Misc	N / A	See # 03	
051-07	East roof at ridge	Top layer of tar paper	40% CH	No	Misc	N / A	See # 01	
051-08	East roof at ridge	Middle layer of tar paper	45% CH	No	Misc	N / A	See # 02	
051-09	East roof at ridge	Bottom layer of tar paper	35% CH	No	Misc	N / A	See # 03	
051-010	N side West end Wall	Top layer of tar paper	N/D	No	Misc.	N/A	N/A	
051-011	N side West end Wall	Bottom layer of tar paper	N/D	No	Misc.	N/A	N/A	
051-012	N side center area of wal	Single layer of tar paper	N/D	No	Misc.	N/A	N/A	
051-013	N. side East end Center Wall	Single layer of tar paper	N/D	No	Misc.	N/A	N/A	
051-014	East Wall E. End	Single layer of tar paper	N/D	No	Misc.	N/A	N/A	
051-015	W side, South End	Top layer of tar paper	N/D	No	Misc.	N/A	N/A	

MCS ENVIRONMENTAL		SAMPLE LOCATION LOG				CH = Chrysotile AM = Amosite	
							N/D = Non Detect N/A = Non Applicable TSI = Thermal System Insul. SUR = Surfacing Materials Misc. = Miscellaneous
Client Name: RUST Remedial Services		Inspector Name: Karl Hauseur					
Project Name: BUNKER HILL		Date: 10-19-94 to 10-27-94					
Project Number: SA94-051							
Building: CONCENTRATOR BUILDING							
SAMP. NO.	SAMPLE LOCATION	MATERIAL DESCRIPTION	% ACM	FRIABLE ACM	TYPE CATEGORY	QUANTITY	COMMENTS
051-049	West roof, at ridge	Fiber Board between CAB	N/D	Yes	Misc. N/A	N/A	
051-050	Center roof, at ridge	Fiber Board between CAB	N/D	Yes	Misc. N/A	N/A	
051-051	East roof, at ridge	Fiber Board between CAB	N/D	Yes	Misc. N/A	N/A	
051-067	Main level, N. Office N. Cent. Wall	Sheet rock, no mud or tape	N/D	Yes	Misc. N/A	N/A	
051-068	Main level, N. Office South Wall	Sheet rock, no mud or tape	N/D	Yes	Misc. N/A	N/A	
051-069	Main level, N. Office East Wall	Sheet rock, no mud or tape	N/D	Yes	Misc. N/A	N/A	
051-070	Main level, N. Office West Wall	Sheet rock, no mud or tape	N/D	Yes	Misc. N/A	N/A	
051-071	Main level, N. Office NE Wall	Sheet rock, no mud or tape	N/D	Yes	Misc. N/A	N/A	
051-072	Main Level, N. Windows West End	Window Glaze	N/D	No	Misc. N/A	N/A	
051-073	Main Level, N. Windows Center area	Window Glaze	N/D	No	Misc. N/A	N/A	
051-074	Main Level, N. Windows East area	Window Glaze	N/D	No	Misc. N/A	N/A	
051-075	Main Level, E. Side N. end	Window Glaze	2% CH	No	Misc. N/A	Unknown	BL / GRAY
051-076	Main Level, E. Side Center area	Window Glaze	2% CH	No	Misc. N/A	Unknown	BL / GRAY
051-077	East roof, N. side lower area	Fiberboard between CAB	N/D	Yes	Misc. N/A	N/A	

MCS ENVIRONMENTAL		SAMPLE LOCATION LOG				CH = Chrysotile AM = Amosite	
SAMP. NO.	SAMPLE LOCATION DESCRIPTION	% ACM	FRIABLE ACM	TYPE CATEGORY	AHERA	QUANTITY	COMMENTS
051-078	Center roof, N. side center area	Fiberboard between CAB	N/D	Yes	Misc.	N/A	N/A
051-079	Center roof, N. side upper area	Fiberboard between CAB	N/D	Yes	Misc.	N/A	N/A
051-080	West roof, at ridge west end	Fiberboard between CAB	N/D	Yes	Misc.	N/A	N/A
051-081	East roof, S. side lower edge	Fiberboard between CAB	N/D	Yes	Misc.	N/A	N/A
051-082	East roof, S. side east edge	Fiberboard between CAB	N/D	Yes	Misc.	N/A	N/A
051-111	Shed roof, SE side NE top edge	Tar paper under metal	N/D	No	Misc.	N/A	N/A
051-112	Shed roof, SE side SE bottom edge	Tar paper under metal	N/D	No	Misc.	N/A	N/A
051-113	Shed roof, SE side Center of roof	Tar paper under metal	N/D	No	Misc.	N/A	N/A
051-114	Shed roof, SE side North West area	Tar paper under metal	N/D	No	Misc.	N/A	N/A
051-115	Shed roof, SE side South West area	Tar paper under metal	N/D	No	Misc.	N/A	N/A
051-116	Shed roof, SE side North east area	Silver paint on metal roof	20% CH	No	Misc.	N / A	1625 SQFT
051-117	Shed roof, SE side South East area	Silver paint on metal roof	20% CH	No	Misc.	N / A	See # 116
051-118	Shed roof, SE side Center	Silver paint on metal roof	20% CH	No	Misc.	N / A	See # 116
051-119	Shed roof, SE side North West area	Silver paint on metal roof	20% CH	No	Misc.	N / A	See # 116
051-120	Shed roof, SE side South West area	Silver paint on metal roof	20% CH	No	Misc.	N / A	See # 116

MCS ENVIRONMENTAL		SAMPLE LOCATION LOG						
						CH = Chrysotile		
Client Name:	RUST Remedial Services	Inspector Name:	Karl Hauseur			AM = Amosite		
Project Name:	BUNKER HILL	Date:	10-19-94 to 10-27-94			N/D = Non Detect		
Project Number:	SA94-051					N/A = Non Applicable		
Building:	CONCENTRATOR BUILDING					TSI = Thermal System Insul.		
						SUR = Surfacing Materials		
						Misc. = Miscellaneous		
SAMP. NO.	SAMPLE LOCATION DESCRIPTION	MATERIAL DESCRIPTION	% ACM	FRIABLE ACM	TYPE ACM	AHERA CATEGORY	QUANTITY	COMMENTS
051-121	Flat roof ,West end of main bldg. SW edge	Tar paper under metal roof Top layer	<1% CH	No	Misc.	N / A	400 SQFT	20% CH in Silver Paint
051-122	Flat roof, West end of main bldg. NW edge	Tar paper under metal roof Top layer	<1% CH	No	Misc.	N / A	See # 121	20% CH in Silver Paint
051-123	Flat roof ,West end of main bldg. Cent. roof	Tar paper under metal roof Top layer	<1% CH	No	Misc.	N / A	See # 121	20% CH in Silver Paint
051-124	Flat roof ,West end of main bldg. NE edge	Tar paper under metal roof Top layer	<1% CH	No	Misc.	N / A	See # 121	20% CH in Silver Paint
051-125	Flat roof ,West end of main bldg. SE edge	Tar paper under metal roof Top layer	<1% CH	No	Misc.	N / A	See # 121	20% CH in Silver Paint
051-126	Flat roof ,West end of main bldg. SW edge	Tar paper under metal roof Bottom layer	<1% CH	No	Misc.	N / A	N/A	
051-127	Flat roof ,West end of main bldg. NW edge	Tar paper under metal roof Bottom layer	N/D	No	Misc.	N / A	N/A	
051-128	Flat roof ,West end of main bldg. Center roof	Tar paper under metal roof Bottom layer	N/D	No	Misc.	N / A	N/A	
051-129	Flat roof ,West end of main bldg. NE edge	Tar paper under metal roof Bottom layer	N/D	No	Misc.	N / A	N/A	
051-130	Flat roof ,West end of main bldg. SE edge	Tar paper under metal roof Bottom layer	N/D	No	Misc.	N / A	N/A	
051-131	Pitched roof, W end of building, SW edge	Tar paper under metal roof	<1% CH	No	Misc.	N / A	2500SQFT	20% CH in Silver Paint
051-132	Pitched roof, W end of building, SE edge	Tar paper under metal roof	<1% CH	No	Misc.	N / A	See #131	20% CH in Silver Paint
051-133	Pitched roof, W end of building, S. Center	Tar paper under metal roof	<1% CH	No	Misc.	N / A	See #131	20% CH in Silver Paint
051-134	Pitched roof, W end of building, NE collapsed area	Tar paper under metal roof	<1% CH	No	Misc.	N / A	See #131	20% CH in Silver Paint

MCS ENVIRONMENTAL		SAMPLE LOCATION LOG			CH = Chrysotile AM = Amosite		
							N/D = Non Detect
							N/A = Non Applicable
Client Name: RUST Remedial Services		Inspector Name: Karl Hauseur					TSI = Thermal System Insul.
Project Name: BUNKER HILL		Date: 10-19-94 to 10-27-94					SUR = Surfacing Materials
Project Number: SA94-051							Misc. = Miscellaneous
Building Name: CONCENTRATOR BUILDING							
SAMP. NO.	MATERIAL DESCRIPTION	% ACM	FRIABLE ACM	TYPE CATEGORY	AHERA	QUANITY	COMMENTS
051-135	Pitched roof, W end of building, NW edge	Tar paper under metal roof	<1% CH	No	Misc.	N / A	See #131 20% CH in Silver Paint
051-136	Shed roof, lower level NW. SW edge	Tar paper under metal roof Top layer	N/D	No	Misc.	N / A	N/A
051-137	Shed roof, lower level NW. SE edge	Tar paper under metal roof Top layer	N/D	No	Misc.	N / A	N/A
051-138	Shed roof, lower level NW. Center area	Tar paper under metal roof Top layer	N/D	No	Misc.	N / A	N/A
051-139	Shed roof, lower level NW. NE edge	Tar paper under metal roof Top layer	N/D	No	Misc.	N / A	N/A
051-140	Shed roof, lower level NW. NW edge	Tar paper under metal roof Top layer	N/D	No	Misc.	N / A	N/A
051-141	Shed roof, lower level NW. SW edge	Tar paper under metal roof Bottom layer	2% CH	No	Misc.	N / A	1000 SQFT 15% CH in Tar
051-142	Shed roof, lower level NW. SE edge	Tar paper under metal roof Bottom layer	2% CH	No	Misc.	N / A	See # 141 15% CH in Tar
051-143	Shed roof, lower level NW. Center area	Tar paper under metal roof Bottom layer	2% CH	No	Misc.	N / A	See # 141 15% CH in Tar
051-144	Shed roof, lower level NW. NE edge	Tar paper under metal roof Bottom layer	2% CH	No	Misc.	N / A	See # 141 15% CH in Tar
051-145	Shed roof, lower level NW. NW edge	Tar paper under metal roof Bottom layer	2% CH	No	Misc.	N / A	See # 141 15% CH in Tar
051-146	Main level, East end South office, So. Wall	Sheet rock , & mud	<1% CH	Yes	Misc.	N / A	Unknown 5% CH in Mud
051-147	Main level, East end South office, E. Wall	Sheet rock , no mud or tape	N/D	Yes	Misc.	N / A	N/A
051-148	Main level, East end South office, No. Wall	Sheet rock , no mud or tape	N/D	Yes	Misc.	N / A	N/A
051-149	Main level, East end South office, W. Wall	Sheet rock , no mud or tape	N/D	Yes	Misc.	N / A	N/A

MCS ENVIRONMENTAL		SAMPLE LOCATION LOG				CH = Chrysotile AM = Amosite N/D = Non Detect	
SAMP. NO.	SAMPLE LOCATION DESCRIPTION	% ACM	FRIABLE ACM	TYPE	AHERA CATEGORY	QUANITY	COMMENTS
051-150	Main level, East end N. office, Ceiling	Sheet rock & mud	<1% CH	Yes	Misc.	N / A	Unknown 5% CH in Mud
051-206	Basement, East South end of tank	Tank insulation, outer layer over fiberglass	N/D	Yes	TSI	N / A	N/A
051-207	Basement, East North end of tank	Tank insulation, outer layer over fiberglass	N/D	Yes	TSI	N / A	N/A
051-208	Basement, East West side of tank	Tank insulation, outer layer over fiberglass	N/D	Yes	TSI	N / A	N/A
051-209	Basement, East East side of tank	Tank insulation, outer layer over fiberglass	N/D	Yes	TSI	N / A	N/A
051-210	Basement, East Top of tank	Tank insulation, outer layer over fiberglass	N/D	Yes	TSI	N / A	N/A

MCS ENVIRONMENTAL		SAMPLE LOCATION LOG						
						CH = Chrysotile		
Client Name: RUST Remedial Services		Inspector Name: Karl Hauseur				AM = Amosite		
Project Name: BUNKER HILL		Date: 10-19-94 to 10-27-94				N/D = Non Detect		
Project Number: SA94-051						N/A = Non Applicable		
Building: CONVEYOR						TSI = Thermal System Insul.		
						SUR = Surfacing Materials		
						Misc. = Miscellaneous		
SAMP. NO.	SAMPLE LOCATION DESCRIPTION	MATERIAL	% ACM	FRIABLE ACM	TYPE	AHERA CATEGORY	QUANTITY	COMMENTS
051-016	W. side of conveyor on ground	Tar paper, outer layer	N/D	No	Misc.	N/A	N/A	
051-017	E. side of conveyor on ground	Tar paper, outer layer	N/D	No	Misc.	N/A	N/A	
051-018	S. side of conveyor on ground	Tar paper, outer layer	N/D	No	Misc.	N/A	N/A	
051-099	E. side of conveyor Center area	Tar paper, outer layer	N/D	No	Misc.	N/A	N/A	
051-100	W. side of conveyor Center area	Tar paper, outer layer	N/D	No	Misc.	N/A	N/A	
051-101	Roof, lowest slope	Tar paper under metal roof	N/D	No	Misc.	N/A	N/A	
051-102	1st flat roof from bottom	Tar paper under metal roof	N/D	No	Misc.	N/A	N/A	
051-103	2nd flat roof from bottom	Tar paper under metal roof	N/D	No	Misc.	N/A	N/A	
051-104	Top slope, at bottom	Tar paper under metal roof	N/D	No	Misc.	N/A	N/A	
051-105	Top slope, at Center	Tar paper under metal roof	N/D	No	Misc.	N/A	N/A	
051-106	West side, lower area siding	Tar paper under wood	N/D	Yes	Misc.	N/A	N/A	
051-107	West side, upper area siding	Tar paper under wood	N/D	Yes	Misc.	N/A	N/A	
051-108	East side, lower area siding	Tar paper under wood	N/D	Yes	Misc.	N/A	N/A	
051-109	E. side, Center area siding	Tar paper under wood	N/D	Yes	Misc.	N/A	N/A	
051-110	E. side, upper area siding	Tar paper under wood	N/D	Yes	Misc.	N/A	N/A	

MCS ENVIRONMENTAL		SAMPLE LOCATION LOG				CH = Chrysotile AM = Amosite N/D = Non Detect N/A = Non Applicable TSI = Thermal System Insul. SUR = Surfacing Materials Misc. = Miscellaneous	
SAMP. NO.	SAMPLE LOCATION DESCRIPTION	MATERIAL	% ACM	FRIABLE ACM	TYPE CATEGORY	QUANITY	COMMENTS
051-052	Pump house roof SW corner	Roofing mastic on top of roofing	20% CH	No	Misc.	N / A	N/A
051-053	Pump house roof NW corner	Roofing mastic on top of roofing	20% CH	No	Misc.	N / A	N/A
051-054	Pump house roof SE corner	Roofing mastic on top of roofing	10% CH	No	Misc.	N / A	N/A
051-055	Pump house roof North area	Roofing, top layer	N/D	No	Misc.	N / A	N/A
051-056	Pump house roof West area	Roofing, top layer	N/D	No	Misc.	N/A	N/A
051-057	Pump house roof East area	Roofing, top layer	N/D	No	Misc.	N/A	N/A
051-058	Pump house roof North area	Tar paper, middle layer	N/D	No	Misc.	N/A	N/A
051-059	Pump house roof West area	Tar paper, middle layer	N/D	No	Misc.	N/A	N/A
051-060	Pump house roof East area	Tar paper, middle layer	N/D	No	Misc.	N/A	N/A
051-061	Pump house roof North area	Tar paper, bottom layer	N/D	No	Misc.	N/A	N/A
051-062	Pump house roof West area	Tar paper, bottom layer	N/D	No	Misc.	N/A	N/A
051-063	Pump house roof East area	Tar paper, bottom layer	N/D	No	Misc.	N/A	N/A
051-064	Trestle pipe run, N end near pump house	Pipe covering on 10" pipe	5% CH	No	TSI	N / A	40 linear ft.
051-065	Trestle pipe run, N end near pump house	Pipe covering on 10" pipe	15% CH	No	TSI	N / A	See # 064
051-066	Trestle pipe run, N end near pump house	Pipe covering on 10" pipe	25% CH	No	TSI	N / A	See # 064

MCS ENVIRONMENTAL		SAMPLE LOCATION LOG			CH = Chrysotile AM = Amosite		
Client Name: RUST Remedial Services		Inspector Name: Karl Hauseur			N/D = Non Detect		
Project Name: BUNKER HILL		Date: 10-19-94 to 10-27-94			N/A = Non Applicable		
Project Number: SA94-051					TSI = Thermal System Insul.		
Building: POWER PLANT BUILDING					SUR = Surfacing Materials		
					Misc. = Miscellaneous		
SAMP. NO.	SAMPLE LOCATION	MATERIAL DESCRIPTION	% ACM	FRIABLE ACM	TYPE CATEGORY	QUANTITY	COMMENTS
051-022	NE Exterior Wall	Tar paper behind wood behind stucco wall material	N/D	No	Misc.	N/A	N/A
051-023	NE Exterior Wall	Tar paper behind wood behind stucco wall material	N/D	No	Misc.	N/A	N/A
051-024	E. Exterior Wall	Tar paper behind wood behind stucco wall material	N/D	No	Misc.	N/A	N/A
051-025	NE Exterior Wall Center	Stucco wall material	N/D	No	SUR	N/A	N/A
051-026	NE Exterior Wall West	Stucco wall material	N/D	No	SUR	N/A	N/A
051-027	NE Exterior Wall East	Stucco wall material	N/D	No	SUR	N/A	N/A
051-028	East Interior	Stucco wall material	N/D	No	SUR	N/A	N/A
051-029	North interior	Stucco wall material	N/D	No	SUR	N/A	N/A
051-030	South interior	Stucco wall material	N/D	No	SUR	N/A	N/A
051-031	Peaked roof, NE side Center Edge	Tar paper under metal	N/D	No	Misc.	N/A	N/A
051-032	Peaked roof, SE side Center Edge	Tar paper under metal	N/D	No	Misc.	N/A	N/A
051-033	Peaked roof, No. side At Bottom	Tar paper under metal	N/D	No	Misc.	N/A	N/A
051-034	Shed roof, East side of Bldg., NW area	Tar roofing material	3% CH	Yes	Misc.	Four	2000 SQFT
051-035	Shed roof, East side of Bldg., Center area	Tar roofing material	2% CH	Yes	Misc.	Four	See # 034
051-036	Shed roof, East side of Bldg., East edge	Tar roofing material	3% CH	Yes	Misc.	Four	See # 034

MCS ENVIRONMENTAL		SAMPLE LOCATION LOG			CH = Chrysotile AM = Amosite		
							N/D = Non Detect
		Inspector Name: Karl Hauseur			N/A = Non Applicable		
		Date: 10-19-94 to 10-27-94			TSI = Thermal System Insul.		
		Building: POWER PLANT BUILDING			SUR = Surfacing Materials		
					Misc. = Miscellaneous		
SAMP. NO.	SAMPLE LOCATION	MATERIAL DESCRIPTION	% ACM	FRIABLE ACM	TYPE CATEGORY	QUANITY	COMMENTS
051-037	East Demo. area	Tar paper between flooring	N/D	No	Misc.	N/A	N/A
	North side	at stucco wall					
051-038	East Demo. area	Tar paper between flooring	N/D	No	Misc.	N/A	N/A
	North side	at stucco wall					
051-039	East Demo. area	Tar paper between flooring	N/D	No	Misc.	N/A	N/A
	North side	at stucco wall					
051-040	Central Demo. area	Pink Paper under roofing	N/D	No	Misc.	N/A	N/A
	North side						
051-041	Central Demo. area	Pink Paper under roofing	N/D	No	Misc.	N/A	N/A
	North side						
051-042	Central Demo. area	Pink Paper under roofing	N/D	No	Misc.	N/A	N/A
	North side						
051-043	West Demo. area	Roofing mat. in debris	N/D	No	Misc.	N/A	N/A
	North side						
051-044	West Demo. area	Roofing mat. in debris	N/D	No	Misc.	N/A	N/A
	Center						
051-045	West Demo. area	Roofing mat. in debris	N/D	No	Misc.	N/A	N/A
	South side						
051-046	West Demo. area	Flooring Felt in debris	N/D	No	Misc.	N/A	N/A
	at compressor stand						
051-047	West Demo. area	Flooring Felt in debris	N/D	No	Misc.	N/A	N/A
	at compressor stand						
051-048	West Demo. area	Flooring Felt in debris	N/D	No	Misc.	N/A	N/A
	at compressor stand						
051-083	S. side of E. shed roof	Exterior Plaster material	N/D	No	SUR	N/A	N/A
051-084	E. side of E. shed roof	Exterior Plaster material	N/D	No	SUR	N/A	N/A
051-085	N. wall, E. corner	Interior Plaster material	N/D	No	SUR	N/A	N/A

MCS ENVIRONMENTAL		SAMPLE LOCATION LOG			CH = Chrysotile AM = Amosite N/D = Non Detect N/A = Non Applicable TSI = Thermal System Insul. SUR = Surfacing Materials Misc. = Miscellaneous			
SAMP. NO.	SAMPLE LOCATION	MATERIAL DESCRIPTION	% ACM	FRIABLE ACM	TYPE CATEGORY	AHERA	QUANITY	COMMENTS
051-086	S. Wall, center area	Interior Plaster material	N/D	No	SUR	N/A	N/A	
051-087	Roof ridge, NE pitched roof	Mastic and paint on metal roofing	5% CH	No	Misc.	N / A	15K SQFT	20%CH in Paint and Tar
051-088	Roof ridge, South West pitched roof	Mastic and paint on metal roofing	10% CH	No	Misc.	N / A	See # 087	20%CH in Paint and Tar
051-089	Lower N. side, pitched roof	Mastic and paint on metal roofing	2% CH	No	Misc.	N / A	See # 087	20%CH in Paint and Tar
051-090	Center, South side pitched roof	Mastic and paint on metal roofing	2% CH	No	Misc.	N / A	See # 087	20%CH in Paint and Tar
051-091	Center, North side pitched roof	Mastic and paint on metal roofing	20% CH	No	Misc.	N / A	See # 087	20%CH in Paint and Tar
051-092	NW ridge pitched roof	Tar paper under metal	N/D	No	Misc.	N / A	N/A	
051-093	SW ridge pitched roof	Tar paper under metal	N/D	No	Misc.	N / A	N/A	
051-094	SE end of Bldg.	Brick mortor on red brick	N/D	No	Misc.	N/A	N/A	
051-095	E. end of Bldg.	Brick mortor on red brick	N/D	No	Misc.	N/A	N/A	
051-096	NE end of Bldg.	Brick mortor on red brick	N/D	No	Misc.	N/A	N/A	
051-097	North wall	Brick mortor on red brick	N/D	No	Misc.	N/A	N/A	
051-098	South wall	Brick mortor on red brick	N/D	No	Misc.	N/A	N/A	
051-211	Debris pile, East	Mastic and paint off of metal roofing in debris pile	20% CH	No	Misc.	N / A	See # 087	20%CH in Paint and Tar
051-212	Debris pile, E. Center	Mastic and paint off of metal roofing in debris pile	20% CH	No	Misc.	N / A	See # 087	20%CH in Paint and Tar

MCS ENVIRONMENTAL		SAMPLE LOCATION LOG			CH = Chrysotile AM = Amosite N/D = Non Detect N/A = Non Applicable TSI = Thermal System Insul. SUR = Surfacing Materials Misc. = Miscellaneous		
Client Name: RUST Remedial Services		Inspector Name: Karl Hauseur			CH = Chrysotile AM = Amosite N/D = Non Detect N/A = Non Applicable TSI = Thermal System Insul. SUR = Surfacing Materials Misc. = Miscellaneous		
SAMP. NO.	SAMPLE LOCATION	MATERIAL DESCRIPTION	% ACM	FRIABLE ACM	TYPE CATEGORY	QUANTITY	COMMENTS
051-213	Debris pile, Center	Mastic and paint off of metal roofing in debris pile	3% CH	No	Misc. N/A	See # 087	20%CH in Paint and Tar
051-214	Debris pile CW	Mastic and paint off of metal roofing in debris pile	20% CH	No	Misc. N/A	See # 087	20%CH in Paint and Tar
051-215	Debris pile, West	Mastic and paint off of metal roofing in debris pile	20% CH	No	Misc. N/A	See # 087	20%CH in Paint and Tar
051-216	Debris pile, SE	Tar paper & silver paint	10% CH	No	Misc. N/A	12K SQFT	20%CH in Paint and Tar
051-217	Debris pile, SC	Tar paper & silver paint	1% CH	No	Misc. N/A	See # 216	20%CH in Paint and Tar
051-218	Debris pile, Center	Tar paper & silver paint	<1 % CH	No	Misc. N/A	See # 216	20%CH in Paint and Tar
051-219	Debris pile, near boiler	Tar paper & silver paint	<1 % CH	No	Misc. N/A	See # 216	20%CH in Paint and Tar
051-220	Debris pile, S side	Tar paper & silver paint	<1 % CH	No	Misc. N/A	See # 216	20%CH in Paint and Tar
051-221	South side	Boiler paint	N/D	No	Misc. N/A	N/A	
051-222	East side	Boiler paint	N/D	No	Misc. N/A	N/A	
051-223	West side	Boiler paint	N/D	No	Misc. N/A	N/A	
051-224	North side	Boiler paint	N/D	No	Misc. N/A	N/A	
051-225	Top edge	Boiler paint	N/D	No	Misc. N/A	N/A	

MCS ENVIRONMENTAL		SAMPLE LOCATION LOG					
						CH = Chrysotile	
Client Name: RUST Remedial Services		Inspector Name: Karl Hauseur				AM = Amosite	
Project Name: BUNKER HILL		Date: 10-19-94 to 10-27-94				N/D = Non Detect	
Project Number: SA94-051						N/A = Non Applicable	
Building: FIRST OUT BUILDING, WEST OF CONCENTRATOR BUILDING						TSI = Thermal System Insul.	
						SUR = Surfacing Materials	
						Misc. = Miscellaneous	
SAMP. NO.	SAMPLE LOCATION	MATERIAL DESCRIPTION	% ACM	FRIABLE ACM	TYPE CATEGORY	QUANTITY	COMMENTS
051-151	S. peak edge	Tar paper under metal	N/D	No	Misc.	N/A	N/A
051-152	NW edge	Tar paper under metal	N/D	No	Misc.	N/A	N/A
051-153	North. Peak	Tar paper under metal	N/D	No	Misc.	N/A	N/A
051-154	NW center	Tar paper under metal	N/D	No	Misc.	N/A	N/A
051-155	West. center	Tar paper under metal	N/D	No	Misc.	N/A	N/A
051-156	N. side of Bldg. at ridge	Tar paper under CAB siding	N/D	No	Misc.	N / A	See # 157
051-157	N. side of Bldg. at ground	Tar paper under CAB siding	20%CH	No	Misc.	N / A	3000SQFT
051-158	W. side of Bldg.	Tar paper under CAB siding	20%CH	No	Misc.	N / A	See # 157
051-159	S. side of Bldg.	Tar paper under CAB siding	20%CH	No	Misc.	N / A	See # 157
051-160	E. side of Bldg.	Tar paper under CAB siding	20%CH	No	Misc.	N / A	See # 157
051-186	Upper storage area	9"X9" floor tile	5% CH	No	Misc.	N / A	20 SQFT of debris
	SW corner of Bldg.	Green spotted					
051-187	Upper storage area	9"X9" floor tile	3% CH	No	Misc.	N / A	See # 186
	SW corner of Bldg.	Cream spotted					
051-188	Upper storage area	9"X9" floor tile	2% CH	No	Misc.	N / A	See # 186
	SW corner of Bldg.	Green/silver speckled					
051-189	Upper storage area	9"X9" floor tile	7% CH	No	Misc.	N / A	See # 186
	SW corner of Bldg.	Salmon					
051-190	Upper storage area	9"X9" floor tile	7% CH	No	Misc.	N / A	See # 186
	SW corner of Bldg.	Orange spotted					

MCS ENVIRONMENTAL		SAMPLE LOCATION LOG					
SAMP. NO.	SAMPLE LOCATION DESCRIPTION	MATERIAL DESCRIPTION	% ACM	FRIABLE ACM	TYPE CATEGORY	AHERA QUANTITY	COMMENTS
051-191	North side of building NE corner	Window Glaze	2% CH	No	Misc.	N / A	UnKnown
051-192	West side of building North	Window Glaze	2% CH	No	Misc.	N / A	UnKnown
051-193	West side of building	Window Glaze	2% CH	No	Misc.	N / A	UnKnown
051-194	South side of building next to door	Window Glaze	N/D	No	Misc.	N / A	UnKnown
051-195	East side of building	Window Glaze	2% CH	No	Misc.	N / A	UnKnown
051-196	Upper storage area SW corner of building	CAB siding debris	30% CH	No	Misc.	N / A	20 SQFT of debris
051-197	Upper storage area SW corner of building	CAB siding debris	30% CH	No	Misc.	N / A	See # 196
051-198	Upper storage area SW corner of building	CAB siding debris	30% CH	No	Misc.	N / A	See # 196
051-199	Upper storage area SW corner of building	CAB siding debris	30% CH	No	Misc.	N / A	See # 196
051-200	Upper storage area SW corner of building	CAB siding debris	30% CH	No	Misc.	N / A	See # 196
051-201	North end of building Top of panel	Electrical panel backing	45% CH	No	Misc.	N / A	6 SQFT
051-202	North end of building Bottom of panel	Electrical panel backing	45% CH	No	Misc.	N / A	See # 201
051-203	North end of building Left side	Electrical panel backing	45% CH	No	Misc.	N / A	See # 201
051-204	North end of building Right side	Electrical panel backing	45% CH	No	Misc.	N / A	See # 201
051-205	North end of building Top right	Electrical panel backing	45% CH	No	Misc.	N / A	See # 201

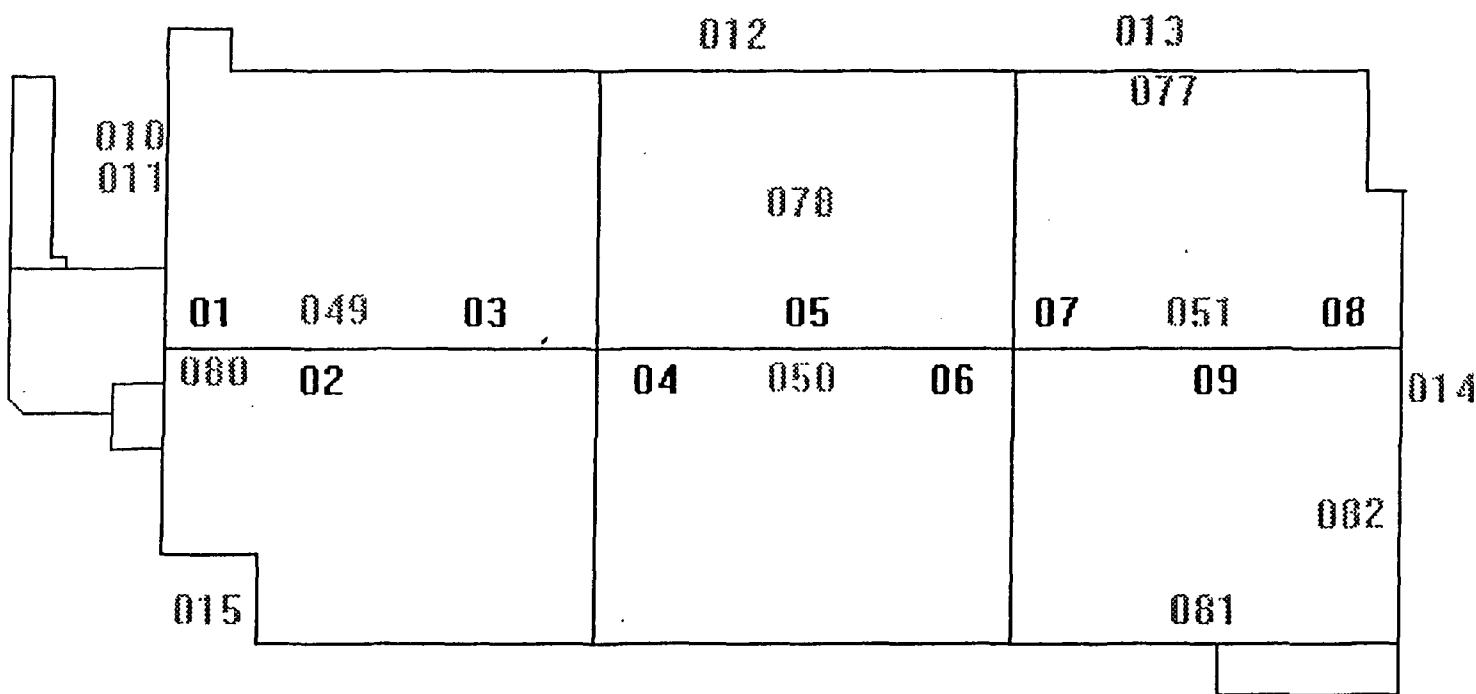
MCS ENVIRONMENTAL		SAMPLE LOCATION LOG					
						CH = Chrysotile	
Client Name: RUST Remedial Services		Inspector Name: Karl Hauseur				AM = Amosite	
Project Name: BUNKER HILL		Date: 10-19-94 to 10-27-94				N/D = Non Detect	
Project Number: SA94-051						N/A = Non Applicable	
Building: SECOND OUT BUILDING, WEST OF CONCENTRATOR BLD. (LITTLE HOUSE)						TSI = Thermal System Insul.	
						SUR = Surfacing Materials	
						Misc. = Miscellaneous	
SAMP. NO.	SAMPLE LOCATION DESCRIPTION	MATERIAL DESCRIPTION	% ACM	FRIABLE ACM	TYPE ACM	AHERA CATEGORY	QUANTITY COMMENTS
051-161	South side at ridge	Tar paper under siding	N/D	No	Misc.	N/A	N/A
051-162	West side at ridge	Tar paper under siding	N/D	No	Misc.	N/A	N/A
051-163	North side at ridge	Tar paper under siding	N/D	No	Misc.	N/A	N/A
051-164	East side at ridge	Tar paper under siding	N/D	No	Misc.	N/A	N/A
051-165	North side at ground	Tar paper under siding	N/D	No	Misc.	N/A	N/A
051-166	NW Corner	12" X 12" white ceiling tiles	N/D	No	Misc.	N/A	N/A
051-167	SW Corner	12" X 12" white ceiling tiles	N/D	No	Misc.	N/A	N/A
051-168	NE Corner	12" X 12" white ceiling tiles	N/D	No	Misc.	N/A	N/A
051-169	SE Corner	12" X 12" white ceiling tiles	N/D	No	Misc.	N/A	N/A
051-170	Debris on floor	12" X 12" white ceiling tiles	N/D	No	Misc.	N/A	N/A
051-171	NW Corner	9" X 9" floor tile/mastic, Cream color	3 %CH	No	Misc.	N/A	140 SQFT 15% in mastic
051-172	SW Corner	9" X 9" floor tile/mastic, Cream color	3 %CH	No	Misc.	N/A	See # 171 15% in mastic
051-173	Center area	9" X 9" floor tile/mastic, Cream color	3 %CH	No	Misc.	N/A	See # 171 15% in mastic
051-174	SE Corner	9" X 9" floor tile/mastic, Cream color	3 %CH	No	Misc.	N/A	See # 171 15% in mastic
051-175	NE Corner	9" X 9" floor tile/mastic, Cream color	3 %CH	No	Misc.	N/A	See # 171 15% in mastic

MCS ENVIRONMENTAL		SAMPLE LOCATION LOG						
						CH = Chrysotile		
Client Name: RUST Remedial Services		Inspector Name: Karl Hauseur				AM = Amosite		
Project Name: BUNKER HILL		Date: 10-19-94 to 10-27-94				N/D = Non Detect		
Project Number: SA94-051						N/A = Non Applicable		
Building: SECOND OUT BUILDING, WEST OF CONCENTRATOR BLD. (LITTLE HOUSE)						TSI = Thermal System Insul.		
						SUR = Surfacing Materials		
						Misc. = Miscellaneous		
SAMP. NO.	SAMPLE LOCATION	MATERIAL DESCRIPTION	% ACM	FRIABLE	TYPE ACM	AHERA CATEGORY	QUANITY	COMMENTS
051-176	N. Wall, east side	Cove mastic	N/D	No	Misc.	N/A	N/A	
051-177	West Wall	Cove mastic	N/D	No	Misc.	N/A	N/A	
051-178	East Wall	Cove mastic	N/D	No	Misc.	N/A	N/A	
051-179	South Wall	Cove mastic	N/D	No	Misc.	N/A	N/A	
051-180	N. Wall, east side	Cove mastic	N/D	No	Misc.	N/A	N/A	
051-181	North side, upper	Window Glaze	<1% CH	No	Misc.	N/A	N/A	
051-182	North side lower west	Window Glaze	<1% CH	No	Misc.	N/A	N/A	
051-183	North side lower east	Window Glaze	<1% CH	No	Misc.	N/A	N/A	
051-184	South side, upper	Window Glaze	<1% CH	No	Misc.	N/A	N/A	
051-185	South side, lower	Window Glaze	<1% CH	No	Misc.	N/A	N/A	

APPENDIX B

PROJECT DRAWINGS

north
↑



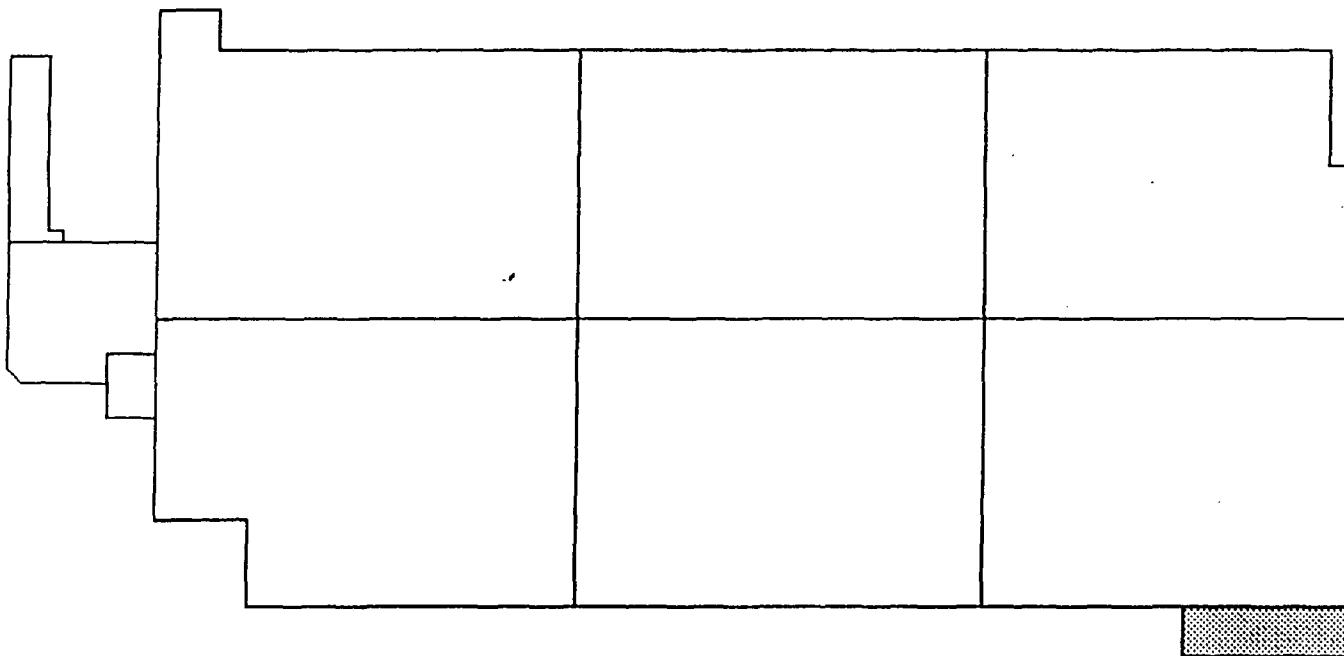
MAIN AREA

CONCENTRATOR BUILDING
Roofing & Tar Paper sample locations
■ Negative
■ Positive

north



SILVER PAINT & TAR PAPER SAMPLES



119 114

116

118 113 111

120 116

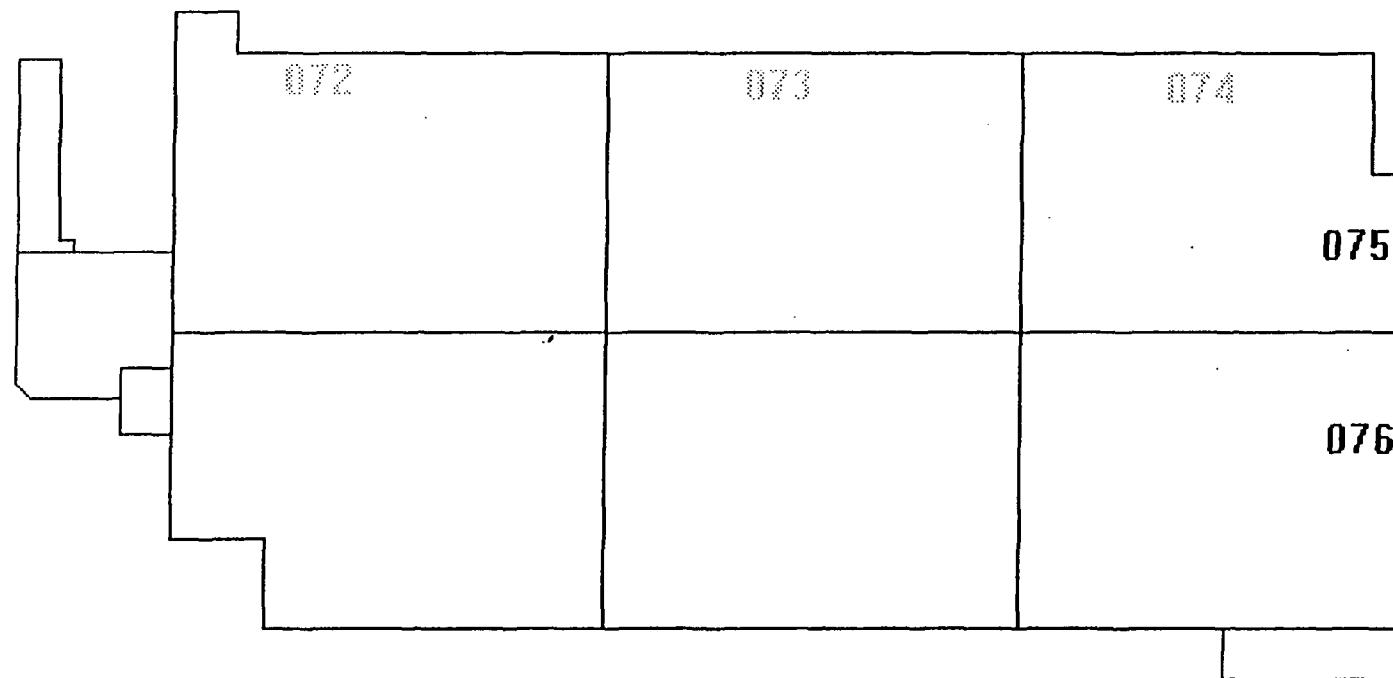
112 117

SHED ROOF, S.E. SIDE OF
CONCENTRATOR BUILDING

■ NEGATIVE

■ POSITIVE

north
↑



■ POSITIVE

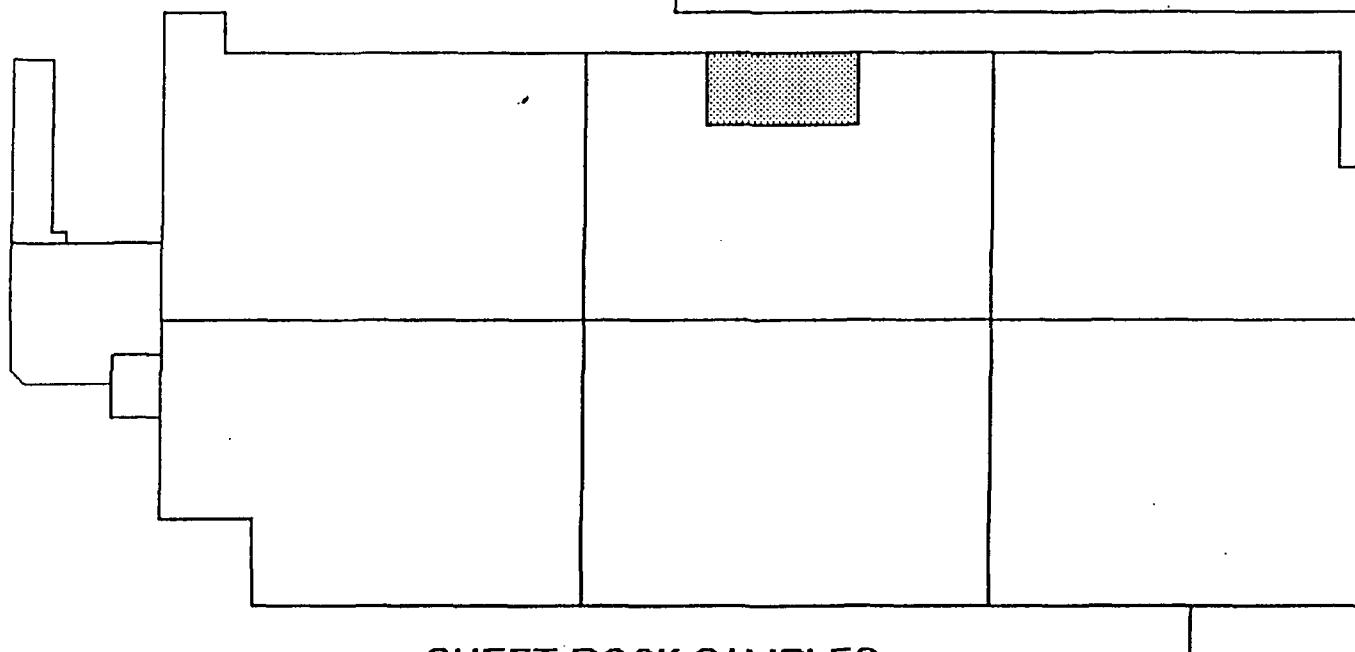
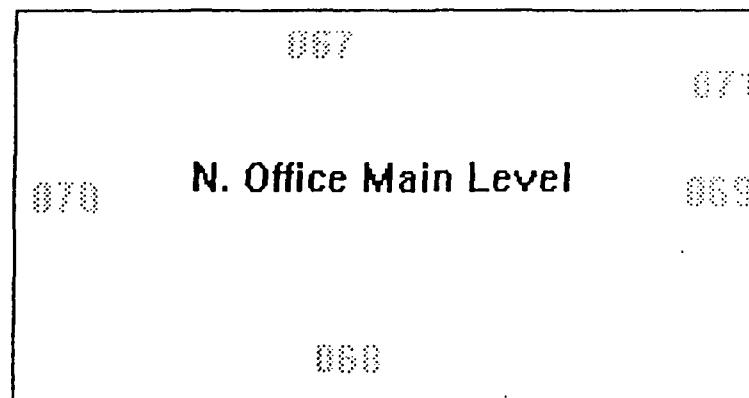
■ NEGATIVE

WINDOW GLAZE
CONCENTRATOR BUILDING

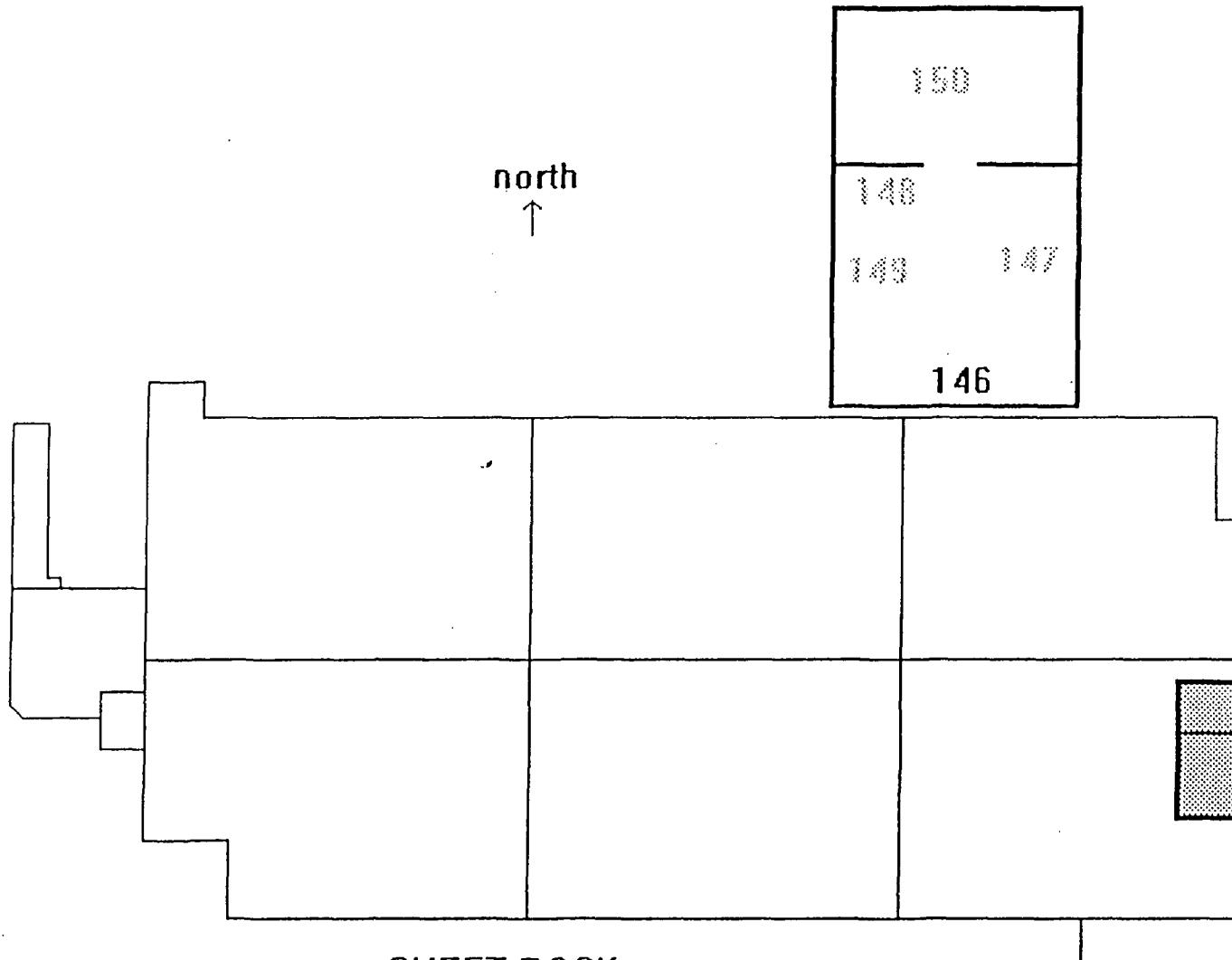
■ Negative

■ Positive

north
↑



SHEET ROCK SAMPLES
NORTH OFFICE, MAIN LEVEL
CONCENTRATOR BUILDING



SHEET ROCK

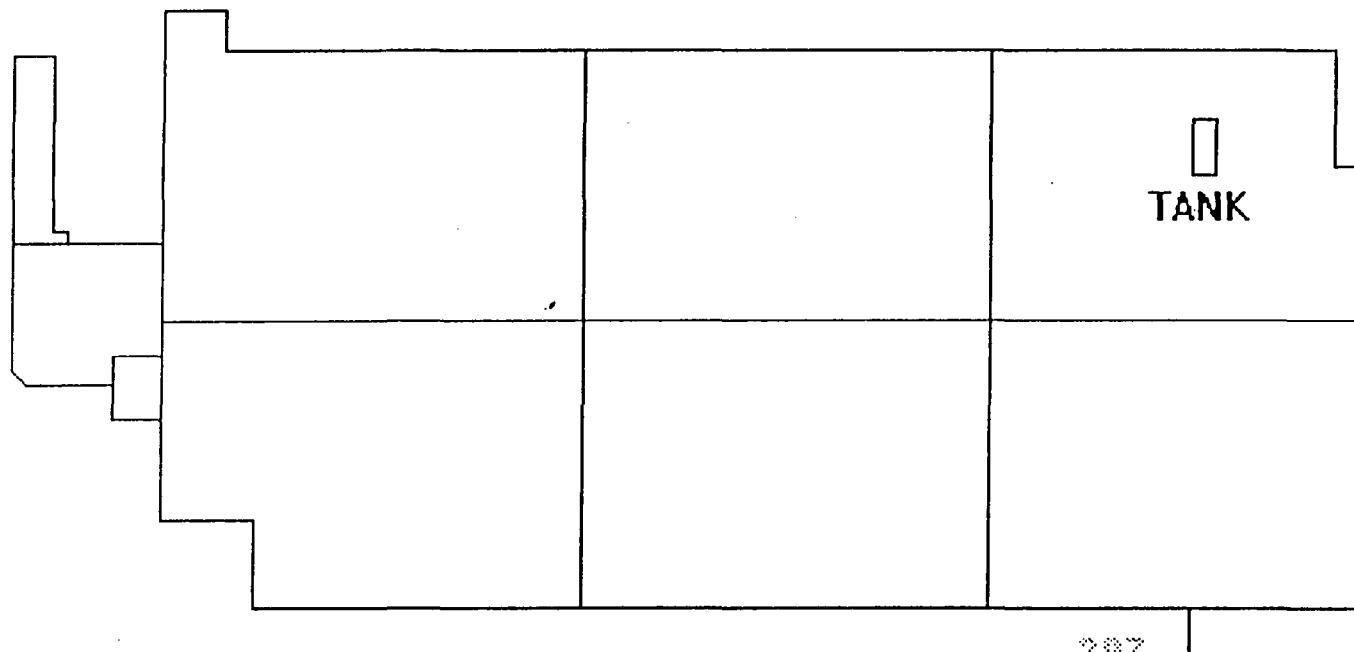
EAST OFFICE

CONCENTRATOR BUILDING

■ POSITIVE

▨ NEGATIVE

north



207

TANK IN BASEMENT
CONCENTRATOR BUILDING

■ NEGATIVE

■ POSITIVE

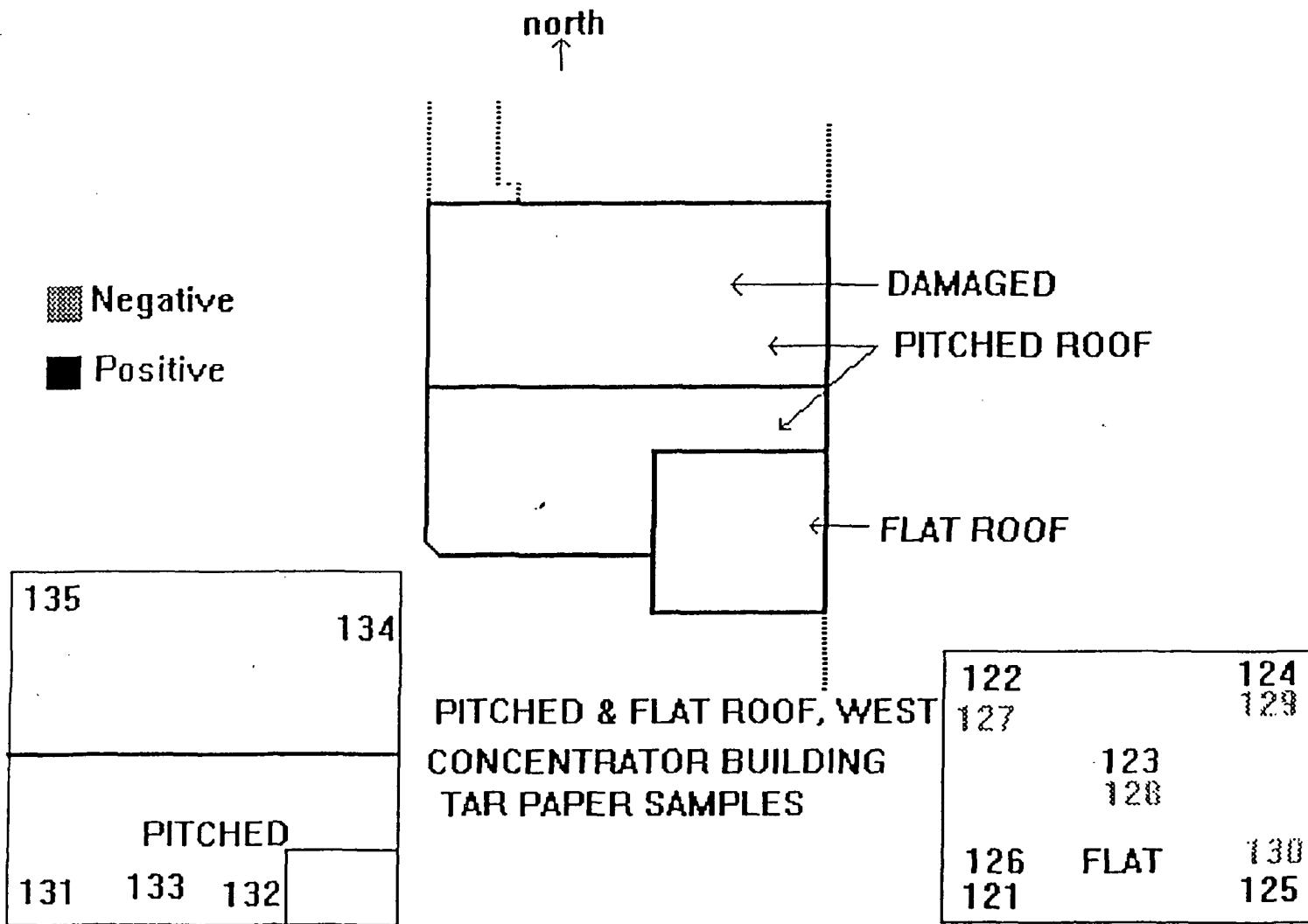
208

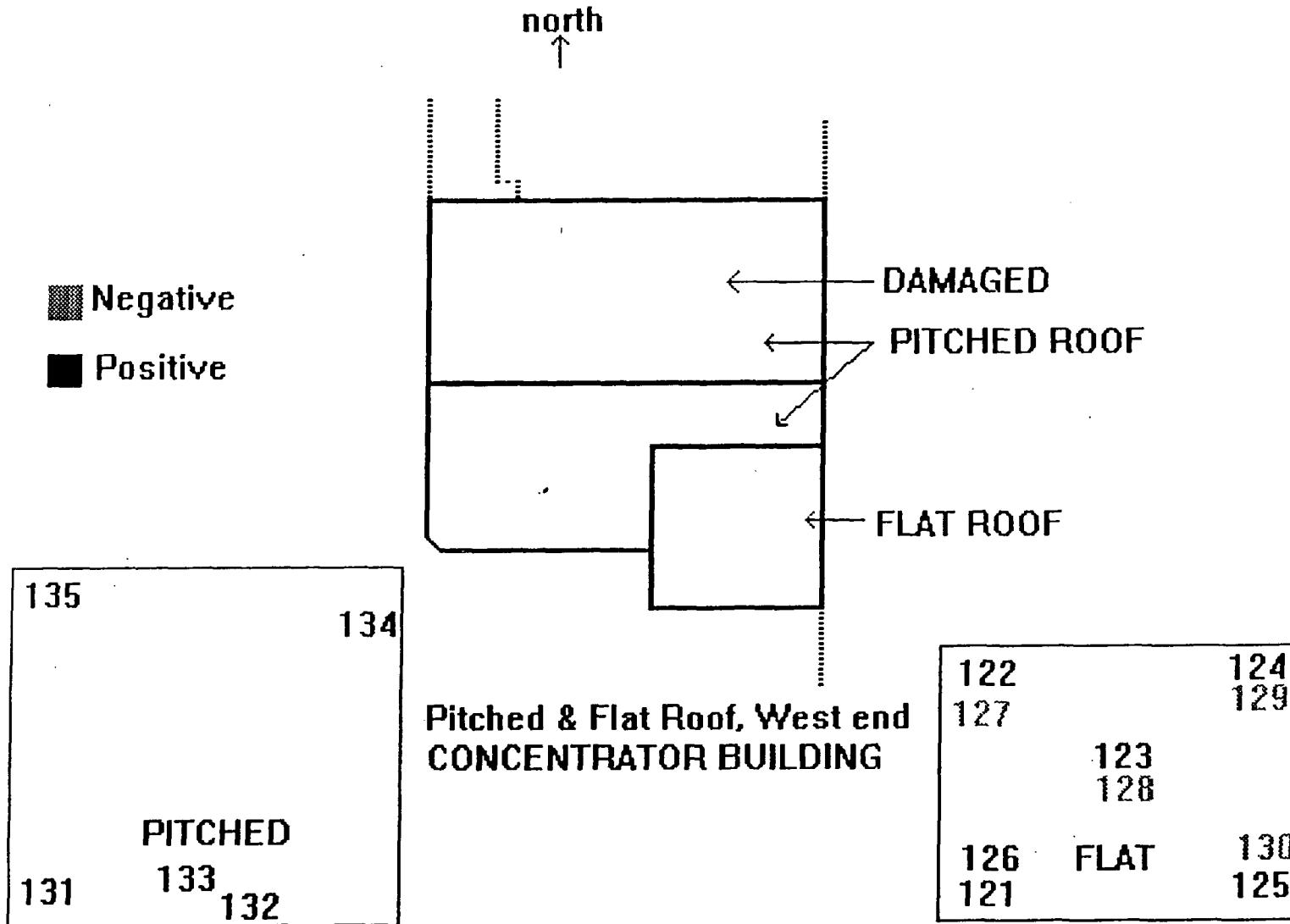
TANK

210

209

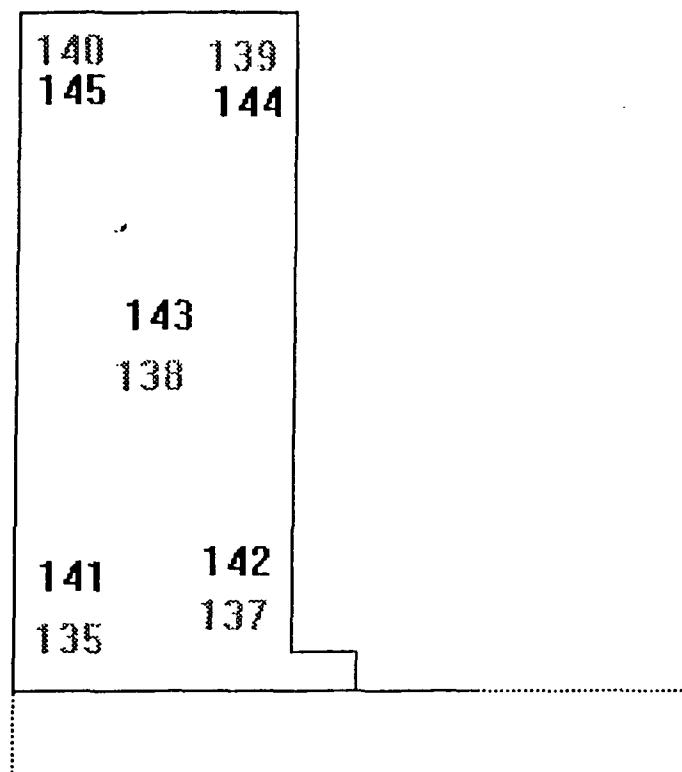
206





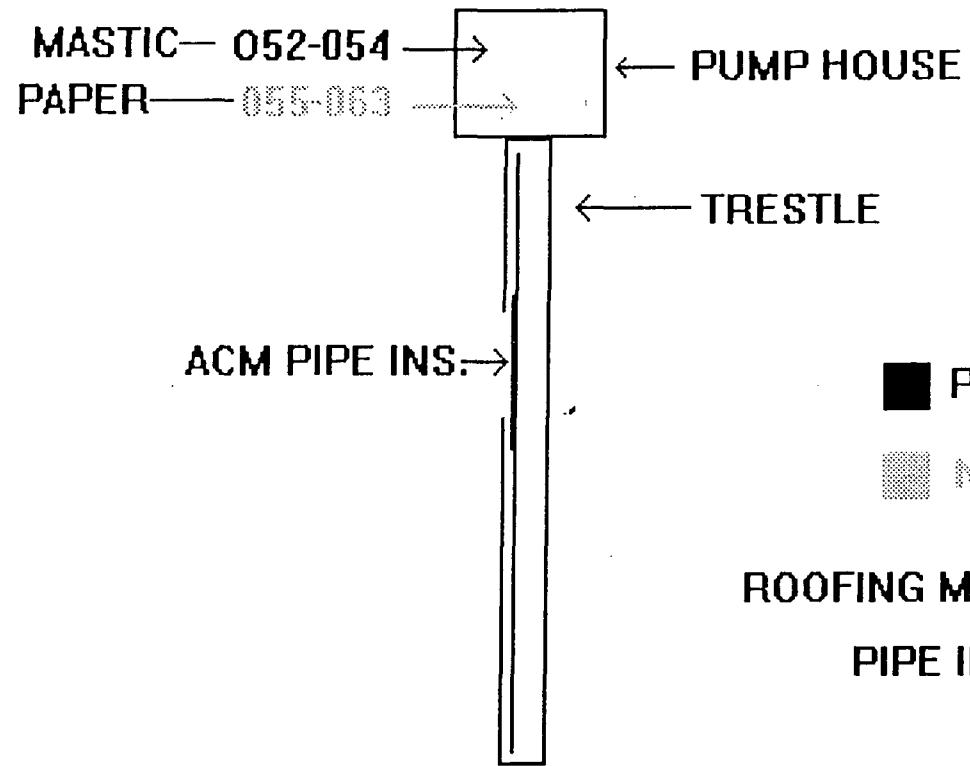
■ Negative

■ Positive



• SHED ROOF-LOWER LEVEL N.W.
CONCENTRATOR BUILD
Roofing & tar Paper sample locations

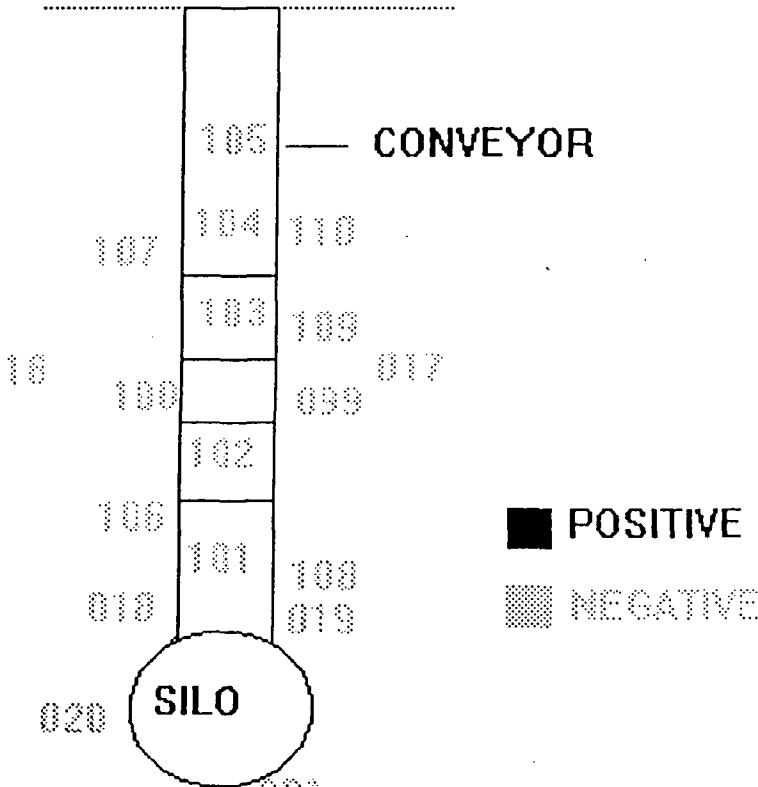
NORTH
↑



TRESTLE AND PUMP HOUSE NORTH OF
CONCENTRATOR BUILDING

NORTH
↑

TAR PAPER SAMPLES

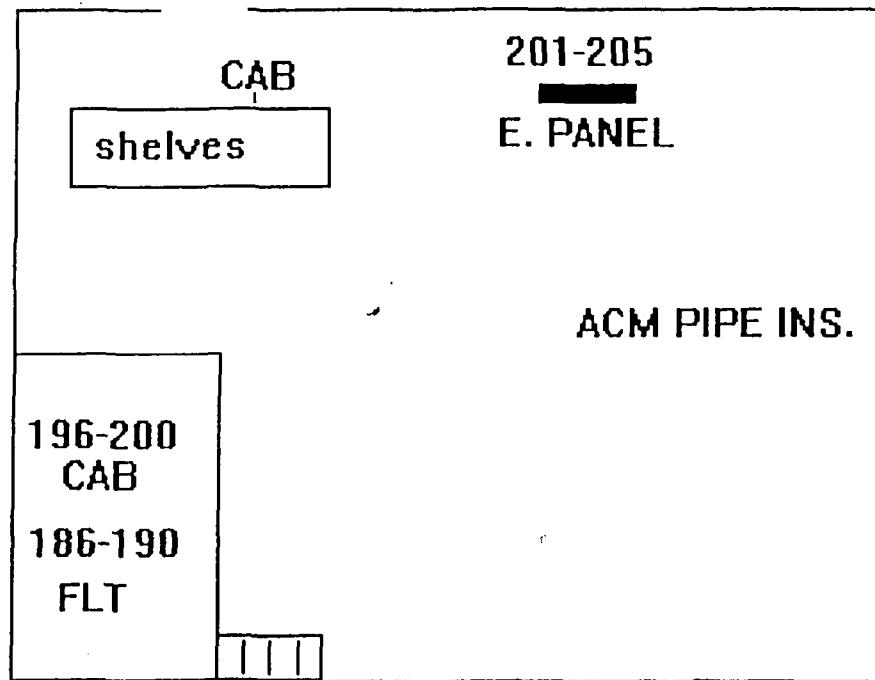


CONVEYOR & SILO SOUTH OF
CONCENTRATOR BUILDING

NORTH



C.A.B. DEBRIS, FLOOR TILE DEBRIS, ELECTRICAL PANEL BACKING
ACM PIPE INSULATION STORED IN THIS AREA



■ POSITIVE

▨ NEGATIVE

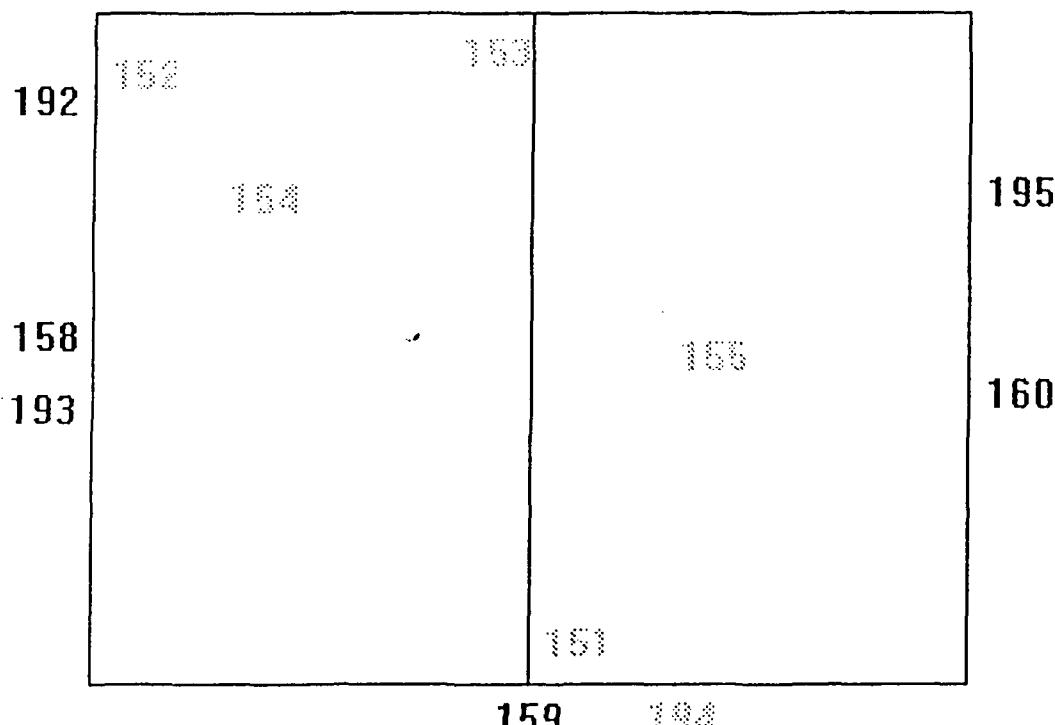
INTERIOR SAMPLES

FIRST OUT BUILDING WEST OF
CONCENTRATOR BUILDING

NORTH
↑

TAR PAPER & WINDOW GLAZE SAMPLES

156 157 191



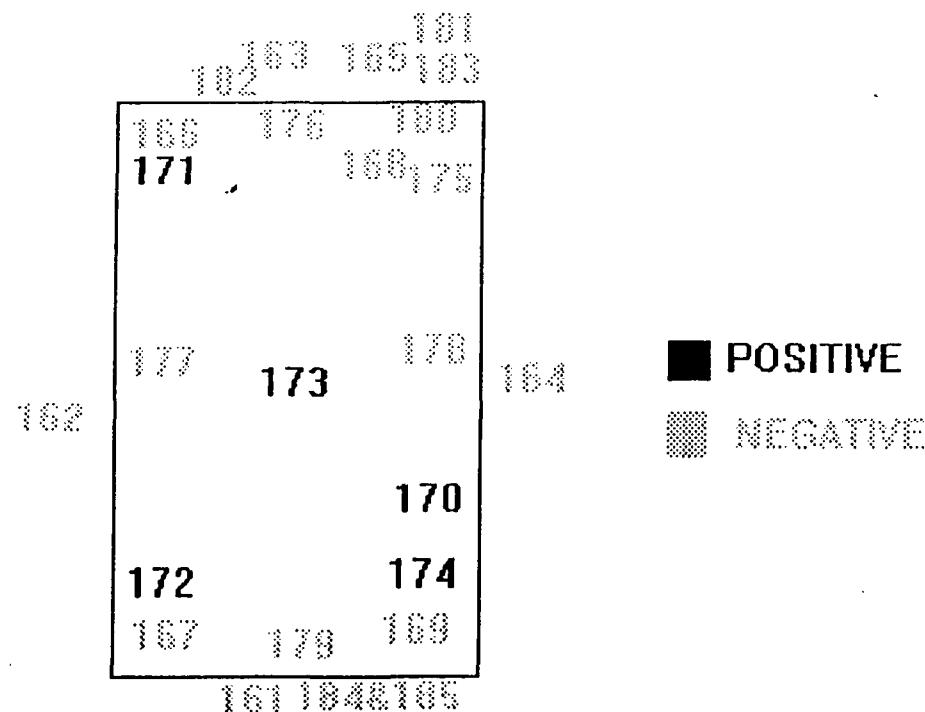
■ POSITIVE

▨ NEGATIVE

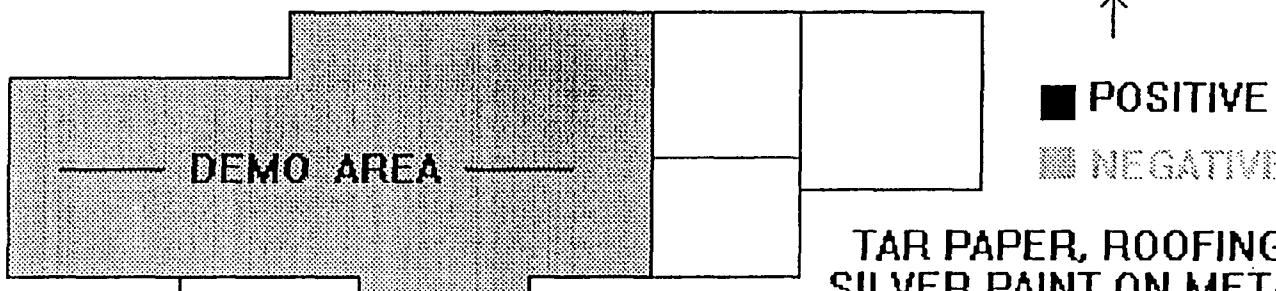
EXTERIOR SAMPLES

FIRST OUT BUILDING WEST OF
CONCENTRATOR BUILDING

NORTH

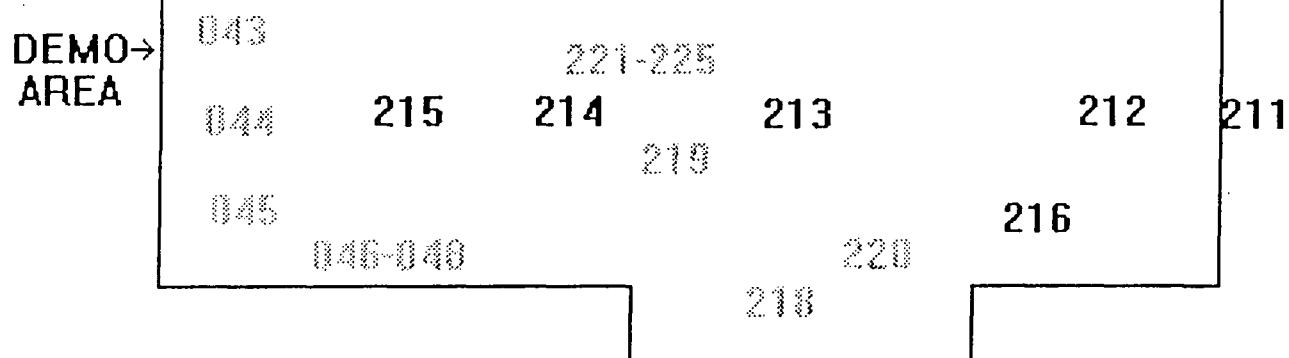


SECOND OUT BUILDING, WEST OF
CONCENTRATOR BUILDING (LITTLE HOUSE)
TAR PAPER, 12" X 12" CEILING TILE, 9" X 9" FLT,
COVE MASTIC, WINDOW GLAZE



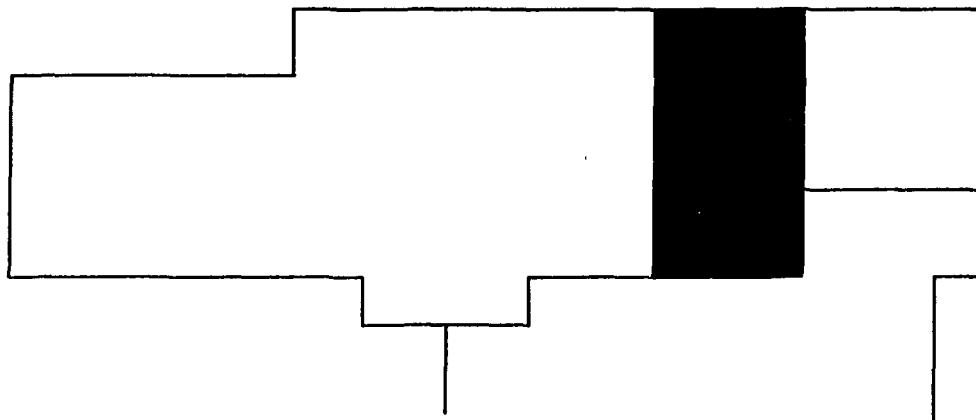
TAR PAPER, ROOFING MATERIAL,
SILVER PAINT ON METAL ROOFING,
SILVER PAINT ON BOILER, PINK PAPER
SILVER PAINT ON COMPOSITE ROOFING

042



POWER HOUSE DEMOLISHED AREA

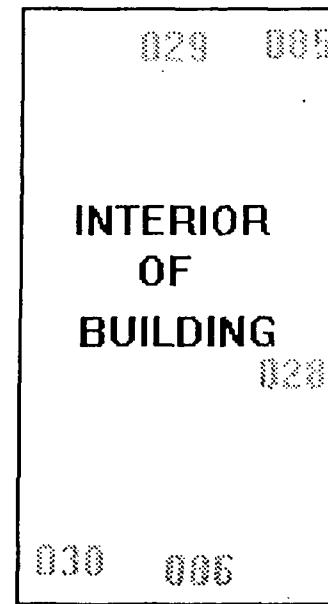
NORTH
↑



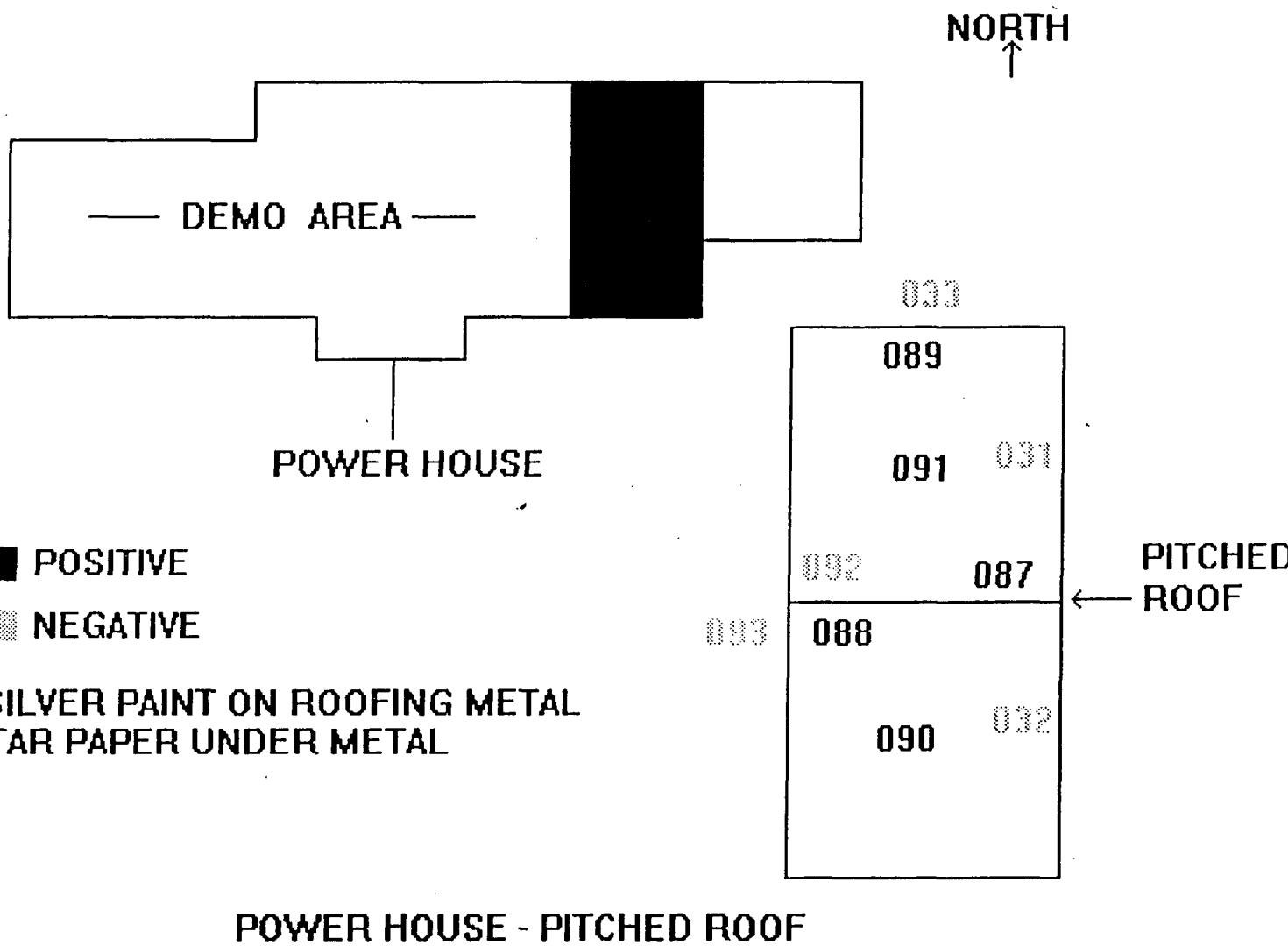
■ POSITIVE

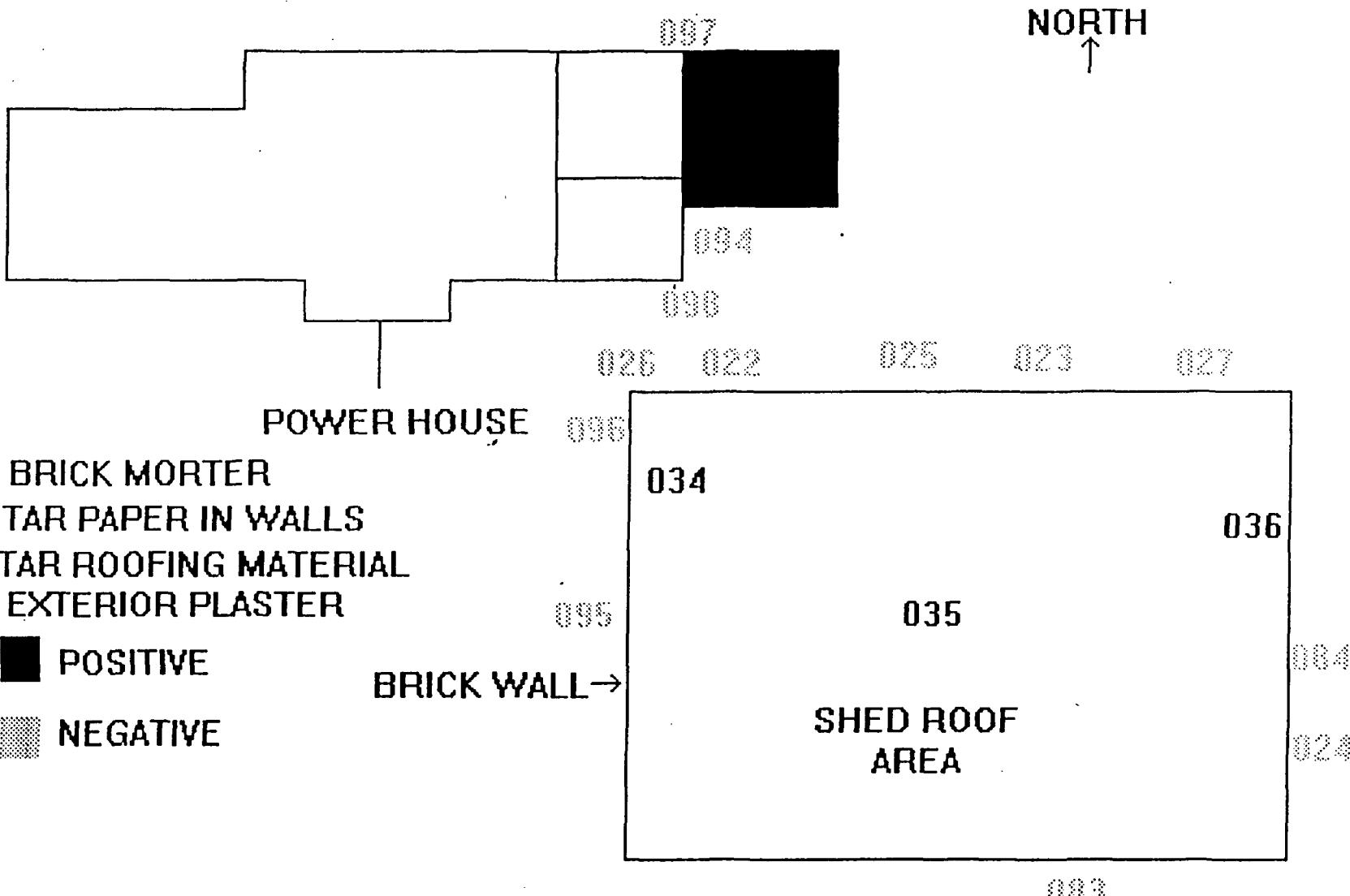
■ NEGATIVE

INTERIOR PLASTER



POWER HOUSE - INTERIOR OF BLD. - PITCHED ROOF AREA





POWER HOUSE - SHED ROOF & EXTERIOR AREA

APPENDIX C

PETROGRAPHIC ANALYSIS SHEETS

EXPLANATORY NOTES FOR BULK ANALYSIS REPORTS

ALL VOLUME PERCENTAGES ARE ESTIMATES; PERCENT ERROR AND ESTIMATED VOLUME PERCENTAGE ARE INVERSELY RELATED. "TRACE" AMOUNTS OF ASBESTOS ARE DEFINITELY PRESENT, BUT CONSIDERED BY THE ANALYST TO BE LESS THAN 1%. FOR SAMPLES WITH "TRACE" ASBESTOS, TOTAL SAMPLE VOLUME WILL READ "99%," NOT "100%.". ASBESTOS CONTENT OF LAYERED SAMPLES WILL BE NOTED BY LAYER IN "COMMENTS" SECTION OF THE "BULK MATERIAL CHARACTERIZATION FORM".

THE FOLLOWING ARE EXPLANATIONS OF "BULK SAMPLE ANALYSIS SUMMARY" SHEET AND "BULK MATERIAL CHARACTERIZATION FORM" ABBREVIATIONS:

AM=AMOSITE: AN AMPHIBOLE ASBESTOS

AN=ANTHOPHYLLITE: AN AMPHIBOLE ASBESTOS

BI/FI=BINDER/FILLER: UNIDENTIFIED, NON-FIBROUS MATRIX MATERIAL

CE=CELLULOSE: WOOD FIBER

CH=CHRYSOTILE: A SERPENTINE ASBESTOS

CR=CROCIDOLITE: AN AMPHIBOLE ASBESTOS

GL=FIBROUS GLASS: DISTINGUISHED FROM MINERAL FIBERS BY GREATER LENGTH, CONSISTENT THICKNESS, NO BEADING

TR/AC=TREMOLITE/ACTINOLITE: AN AMPHIBOLE ASBESTOS OF SERIAL COMPOSITION.

NAD=NO ASBESTOS DETECTED

BULK SAMPLE ANALYSIS SUMMARY

Project Title: BUNKER HILL

Client: SPECIALTY ASBESTOS

Sample Identification

	Sample No.	Asbestos Content	Comments	
1).	B94-1019-007-01	CH 40%	CE 40% TAR	20%
	Client Id #:	051-01		
2).	B94-1019-007-02	CH 40%	CE 40% TAR	20%
	Client Id #:	051-02		
3).	B94-1019-007-03	CH 35%	CE 35% TAR LAYER	30%
	Client Id #:	051-03		
4).	B94-1019-007-04	CH 40%	CE 40% TAR LAYER	20%
	Client Id #:	051-04		
5).	B94-1019-007-05	CH 40%	CE 40% TAR	20%
	Client Id #:	051-05		
6).	B94-1019-007-06	CH 40%	CE 40% TAR LAYER	20%
	Client Id #:	051-06		

BULK SAMPLE ANALYSIS SUMMARY

Project Title: BUNKER HILL

Client: SPECIALTY ASBESTOS

Sample Identification

	Sample No.	Asbestos Content	Comments	
1).	B94-1019-008-01	CH 40%	CE 40% TAR LAYER	20%
	Client Id #:	051-07		
2).	B94-1019-008-02	CH 45%	CE 45% TAR	10%
	Client Id #:	051-08		
3).	B94-1019-008-03	CH 35%	CE 35% TAR LAYER	30%
	Client Id #:	051-09		
4).	B94-1019-008-04	No Detectable	CE 45% SYNTHETIC TAR	30% 25%
	Client Id #:	051-010		
5).	B94-1019-008-05	No Detectable	CE 45% SYNTHTETIC TAR	30% 25%
	Client Id #:	051-011		
6).	B94-1019-008-06	No Detectable	CE 45% SYNTHETIC TAR	30% 25%
	Client Id #:	051-012		

BULK SAMPLE ANALYSIS SUMMARY

Project Title: BUNKER HILL

Client: SPECIALTY ASBESTOS

Sample Identification

	Sample No.	Asbestos Content	Comments	
1).	B94-1019-010-01	No Detectable	CE 45% SYNTHETIC TAR	30% 25%
	Client Id #: 051-019			
2).	B94-1019-010-02	No Detectable	CE 45% SYNTHETIC TAR	30% 25%
	Client Id #: 051-020			
3).	B94-1019-010-03	No Detectable	CE 40% SYNTHETIC TAR	25% 35%
	Client Id #: 051-021			
4).	B94-1019-010-04	No Detectable	CE 45% SYNTHETIC TAR	30% 25%
	Client Id #: 051-022			
5).	B94-1019-010-05	No Detectable	CE 45% SYNTHETIC TAR	30% 25%
	Client Id #: 051-023			
6).	B94-1019-010-06	No Detectable	CE 45% SYNTHETIC TAR & PAINT LAYER	25% 30%
	Client Id #: 051-024			

BULK SAMPLE ANALYSIS SUMMARY

Project Title: BUNKER HILL

Client: SPECIALTY ASBESTOS

Sample Identification

	Sample No.	Asbestos Content	Comments	
1).	B94-1019-011-01	No Detectable	BI/FI 99% METAL	1%
	Client Id #:	051-025		
2).	B94-1019-011-02	No Detectable	BI/FI 100%	
	Client Id #:	051-026		
3).	B94-1019-011-03	No Detectable	BI/FI 100%	
	Client Id #:	051-027		
4).	B94-1019-011-04	No Detectable	CE 1% BI/FI 99%	
	Client Id #:	051-028		
5).	B94-1019-011-05	No Detectable	CE 5% BI/FI 94% HAIR	1%
	Client Id #:	051-029		
6).	B94-1019-011-06	No Detectable	CE 5% BI/FI 93% HAIR	2%
	Client Id #:	051-030		

BULK SAMPLE ANALYSIS SUMMARY

Project Title: BUNKER HILL

Client: SPECIALTY ASBESTOS

Sample Identification

	Sample No.	Asbestos Content	Comments	
1).	B94-1020-002-01	No Detectable	CE 80% TAR	20%
	Client Id #:	051-031		
2).	B94-1020-002-02	No Detectable	CE 75% TAR	25%
	Client Id #:	051-032		
3).	B94-1020-002-03	No Detectable	CE 90% TAR	10%
	Client Id #:	051-033		
4).	B94-1020-002-04	CH 3%	CE 40% TAR	57%
	Client Id #:	051-034		
5).	B94-1020-002-05	CH 2%	CE 50% TAR	48%
	Client Id #:	051-035		
6).	B94-1020-002-06	CH 3%	CE 45% TAR	52%
	Client Id #:	051-036		

BULK SAMPLE ANALYSIS SUMMARY

Project Title: BUNKER HILL

Client: SPECIALTY ASBESTOS

Sample Identification

	Sample No.	Asbestos Content	Comments
1).	B94-1019-015-02	No Detectable	CE 60% SYNTHETIC & TR HAIR 15% TAR 25%
	Client Id #: 051-037		
2).	B94-1019-015-03	No Detectable	CE 55% SYNTHETIC & TR HAIR 20% TAR 25%
	Client Id #: 051-038		
3).	B94-1019-015-04	No Detectable	CE 50% SYNTHETIC & HAIR 20% TAR 30%
	Client Id #: 051-039		
4).	B94-1019-015-05	No Detectable	CE 100%
	Client Id #: 051-040		
5).	B94-1019-015-06	No Detectable	CE 100%
	Client Id #: 051-041		

BULK SAMPLE ANALYSIS SUMMARY

Project Title: BUNKER HILL

Client: SPECIALTY ASBESTOS

Sample Identification

Sample No.	Asbestos Content	Comments
------------	------------------	----------

1). B94-1019-016-01 Client Id #: 051-042	No Detectable	CE 100%
---	---------------	---------

BULK SAMPLE ANALYSIS SUMMARY

Project Title: BUNKER HILL

Client: SPECIALTY ASBESTOS

Sample Identification

	Sample No.	Asbestos Content	Comments
1).	B94-1019-017-01	No Detectable	
	Client Id #:	051-043	
2).	B94-1019-017-02	No Detectable	
	Client Id #:	051-044	
3).	B94-1019-017-03	No Detectable	
	Client Id #:	051-045	
4).	B94-1019-017-04	No Detectable	
	Client Id #:	051-046	
5).	B94-1019-017-05	No Detectable	
	Client Id #:	051-047	
6).	B94-1019-017-06	No Detectable	CE 80% TAR
	Client Id #:	051-048	20%

BULK SAMPLE ANALYSIS SUMMARY

Project Title: SPECIALTY ASBESTOS- BUNKER HILL

Client: SPECIALTY ASBESTOS

Sample Identification

	Sample No.	Asbestos Content	Comments
1).	B94-1024-002-01 Client Id #: 051-049	No Detectable	CE 100%
2).	B94-1024-002-02 Client Id #: 051-050	No Detectable	CE 99% TAR
3).	B94-1024-002-03 Client Id #: 051-051	No Detectable	CE 100%

BULK SAMPLE ANALYSIS SUMMARY

Project Title: BUNKER HILL-SPECIALTY ASBESTOS

Client: SPECIALTY ASBESTOS

Sample Identification

	Sample No.	Asbestos Content	Comments	
1).	B94-1027-001-01	CH 20%	CE 20% TAR	60%
	Client Id #:	051-052		
2).	B94-1027-001-02	CH 20%	CE 20% TAR	60%
	Client Id #:	051-053		
3).	B94-1027-001-03	CH 10%	CE 40% TAR	50%
	Client Id #:	051-054		
4).	B94-1027-001-04	No Detectable	CE 75% TAR & GRAVEL	25%
	Client Id #:	051-055		
5).	B94-1027-001-05	No Detectable	CE 75% TAR & GRAVEL	25%
	Client Id #:	051-056		
6).	B94-1027-001-06	No Detectable	CE 65% TAR & GRAVEL	35%
	Client Id #:	051-057		

BULK SAMPLE ANALYSIS SUMMARY

Project Title: BUNKER HILL-SPECIALTY ASBESTOS

Client: SPECIALTY ASBESTOS

Sample Identification

	Sample No.	Asbestos Content	Comments	
1).	B94-1027-002-01	No Detectable	CE 75% TAR	25%
	Client Id #: 05-058			
2).	B94-1027-002-02	No Detectable	CE 75% TAR	25%
	Client Id #: 051-059			
3).	B94-1027-002-03	No Detectable	CE 75% TAR	25%
	Client Id #: 051-060			
4).	B94-1027-002-04	No Detectable	CE 75% TAR	25%
	Client Id #: 051-061			
5).	B94-1027-002-05	No Detectable	CE 75% TAR	25%
	Client Id #: 051-062			
6).	B94-1027-002-06	No Detectable	CE 80% TAR	20%
	Client Id #: 051-063			



Environmental, Inc.

2310 North Cherry Street, Suite #100
Spokane, WA 99216
(509) 924-9236

October 27, 1994

Mr. Bob Gentry
RUST Remedial Services
P.O. Box 720
Kellogg, Idaho 83837

Dear Mr. Gentry:

MCS Environmental is pleased to provide you with this report for the Limited Asbestos Inspection Survey of selected buildings within the Bunker Hill Superfund Site located in Kellogg, Idaho.

Friable and Non-Friable Asbestos Containing Building Materials (ACBM's) were identified in association with the identified buildings inspected at the Bunker Hill Superfund Site. The ACBM's identified during the survey are in fair to poor condition throughout the areas inspected. The materials identified during this limited asbestos inspection for the identified buildings included:

- Second out building (little house) west of the concentrator building contains: 9" x 9" Vinyl Floor Tile (VFT) and associated mastic and previously identified Cement Asbestos Board (CAB) exterior siding.
- First out building west of the concentrator building contains: 9" x 9" VFT and CAB siding debris on the floor of the upper level, CAB in the storage shelves, electric panel backing at the north wall and previously identified ACM pipe insulation stored in boxes are within the interior of the building. On the exterior of the building is tar paper under the CAB siding, and window glaze on the exterior of building.
- Concentrator building: The Main roof system contains three layers of tar paper in addition to the previously identified ACBM'S. The shed roof at the south east corner of the concentrator building has what appears to be two layers of tar paper with the bottom layer being ACM POSITIVE. This is due to the layer of ACM silver paint (15-20% Chrysotile) on composite roofing material. In addition, there is ACM silver paint on the metal. Window glaze (gray in color) was identified within the building. On the lower level of the north west corner of the concentrator building is a shed roof system that is ACM POSITIVE (silver paint) on the surface of the bottom layer of composite roof material covered with a layer of tar paper and metal.

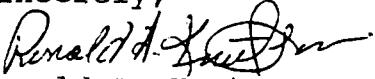
- Trestle and Pump House: The Pump House roof tested **ACM Positive** for roof mastic on the top surface only. On the Trestle deck is two sections of 10" dia. pipe with a ACM covering, this pipe is located near the pump house.
- Power Plant: The Shed Roof on the east end of the Power Plant has composite roofing material in very poor condition. The silver paint and mastic on metal roofing tested **ACM POSITIVE** on the pitched roof section, as did all samples of this material collected form the demolished portion of the power plant. The silver paint has delaminated from the metal roofing materials and from the composite roofing materials and is distributed throughout the demolition debris.

The results of the remaining materials tested are listed in the sample location log tables in appendix A.

Pursuant to EPA National Emissions Standards for Hazardous Air Pollutants (NESHAP's), all Regulated Asbestos Containing Materials (RACM's) and Category II Non-Friable ACM's must be removed prior to and demolition which would affect these materials.

If you have any questions, or require any clarification concerning this report, please call me at (509) 924-9236. It was a pleasure working with you, and we look forward to working with you again in the future.

Sincerely,


Ronald A. Knutson
Sr. Industrial Hygienist
MCS Environmental

BULK SAMPLE ANALYSIS SUMMARY

Project Title: BUNKER HILL- SPECIALTY ASBESTOS

Client: SPECIALTY ASBESTOS

Sample Identification

	Sample No.	Asbestos Content	Comments	
1).	B94-1027-003-01	CH 5%	CE 25% SYNTHETIC TAR	2% 68%
	Client Id #: 051-064			
2).	B94-1027-003-02	CH 15%	CE 35% SYNTHETIC TAR	3% 47%
	Client Id #: 051-065			
3).	B94-1027-003-03	CH 25%	CE 25% SYNTHETIC TAR	2% 48%
	Client Id #: 051-066			
4).	B94-1027-003-04	No Detectable	CE 25% GYPSUM & PAINT	75%
	Client Id #: 051-067			
5).	B94-1027-003-05	No Detectable	CE 20% GYPSUM & PAINT	80%
	Client Id #: 051-068			
6).	B94-1027-003-06	No Detectable	CE 45% GYPSUM & PAINT	55%
	Client Id #: 051-069			

BULK SAMPLE ANALYSIS SUMMARY

Project Title: BUNKER HILL- SPECIALTY ASBESTOS

Client: SPECIALTY ASBESTOS

Sample Identification

	Sample No.	Asbestos Content	Comments	
1).	B94-1027-004-01	No Detectable	CE 20% GYPSUM & PAINT	80%
	Client Id #:	051-070		
2).	B94-1027-004-02	No Detectable	CE 25% GYPSUM	75%
	Client Id #:	051-071		
3).	B94-1027-004-03	No Detectable	BI/FI 100%	
	Client Id #:	051-072		
4).	B94-1027-004-04	No Detectable	BI/FI 100%	
	Client Id #:	051-073		
5).	B94-1027-004-05	No Detectable	BI/FI 100%	
	Client Id #:	051-074		
6).	B94-1027-004-06	CH 2%	BI/FI 98%	
	Client Id #:	051-075		

BULK SAMPLE ANALYSIS SUMMARY

Project Title: BUNKER HILL- SPECIALTY ASBESTOS

Client: SPECIALTY ASBESTOS

Sample Identification

	Sample No.	Asbestos Content	Comments
1).	B94-1027-005-01 Client Id #: 051-076	CH 2%	BI/FI 98%
2).	B94-1027-005-02 Client Id #: 051-077	No Detectable	CE 100%
3).	B94-1027-005-03 Client Id #: 051-078	No Detectable	CE 100%
4).	B94-1027-005-04 Client Id #: 051-079	No Detectable	CE 100%
5).	B94-1027-005-05 Client Id #: 051-080	No Detectable	CE 100%
6).	B94-1027-005-06 Client Id #: 051-081	No Detectable	CE 100%

BULK SAMPLE ANALYSIS SUMMARY

Project Title: BUNKER HILL- SPECIALTY ASBESTOS

Client: SPECIALTY ASBESTOS

Sample Identification

	Sample No.	Asbestos Content	Comments	
1).	B94-1027-006-01	No Detectable	CE 100%	
	Client Id #: 051-082			
2).	B94-1027-006-02	No Detectable	CE 1%	MORTOR AND PAINT
	Client Id #: 051-083			99%
3).	B94-1027-006-03	No Detectable	CE 1%	CEMENTATIOUS
	Client Id #: 051-084			99%
4).	B94-1027-006-04	No Detectable	CE 98%	HAIR
	Client Id #: 051-085			2%
5).	B94-1027-006-05	No Detectable	PLASTER	100%
	Client Id #: 051-086			
6).	B94-1027-006-06	CH 5%	SYNTHETIC	5%
	Client Id #: 051-087		TAR, SILVER PAINT	90%

BULK SAMPLE ANALYSIS SUMMARY

Project Title: BUNKER HILL- SPECIALTY ASBESTOS

Client: SPECIALTY ASBESTOS

Sample Identification

	Sample No.	Asbestos Content	Comments	
1).	B94-1027-007-01	CH 10%	SILVER PAINT & TAR	90%
	Client Id #:	051-088		
2).	B94-1027-007-02	CH 2%	SYNTHETIC SILVER PAINT & TAR	5% 93%
	Client Id #:	051-089		
3).	B94-1027-007-03	CH 2%	SYNTHETIC SILVER PAINT & TAR	5% 93%
	Client Id #:	051-090		
4).	B94-1027-007-04	CH 20%	SYNTHETIC SILVER PAINT & TAR	3% 77%
	Client Id #:	051-091		
5).	B94-1027-007-05	No Detectable	CE 80% TAR	20%
	Client Id #:	051-092		
6).	B94-1027-007-06	No Detectable	CE 80% TAR	20%
	Client Id #:	051-093		

BULK SAMPLE ANALYSIS SUMMARY

Project Title: BUNKER HILL- SPECIALTY ASBESTOS

Client: SPECIALTY ASBESTOS

Sample Identification

	Sample No.	Asbestos Content	Comments	
1).	B94-1027-008-01	No Detectable	MORTAR	99%
	Client Id #: 051-094			
2).	B94-1027-008-02	No Detectable	MORTAR	99%
	Client Id #: 051-095			
3).	B94-1027-008-03	No Detectable	MORTAR & BRICK	99%
	Client Id #: 051-096			
4).	B94-1027-008-04	No Detectable	MORTAR	100%
	Client Id #: 051-097			
5).	B94-1027-008-05	No Detectable	MORTAR	100%
	Client Id #: 051-098			
6).	B94-1027-008-06	No Detectable	CE 80% TAR	20%
	Client Id #: 051-099			

BULK SAMPLE ANALYSIS SUMMARY

Project Title: BUNKER HILL- SPECIALTY ASBESTOS

Client: SPECIALTY ASBESTOS

Sample Identification

	Sample No.	Asbestos Content	Comments	
1).	B94-1027-009-01	No Detectable	CE 80% TAR	20%
	Client Id #:	051-0100		
2).	B94-1027-009-02	No Detectable	CE 80% TAR	20%
	Client Id #:	051-0101		
3).	B94-1027-009-03	No Detectable	CE 90% TAR	10%
	Client Id #:	051-0102		
4).	B94-1027-009-04	No Detectable	CE 90% TAR	10%
	Client Id #:	051-0103		
5).	B94-1027-009-05	No Detectable	CE 90% TAR	10%
	Client Id #:	051-0104		
6).	B94-1027-009-06	No Detectable	CE 100%	
	Client Id #:	051-0105		

BULK SAMPLE ANALYSIS SUMMARY

Project Title: BUNKER HILL- SPECIALTY ASBESTOS

Client: SPECIALTY ASBESTOS

Sample Identification

	Sample No.	Asbestos Content	Comments
1).	B94-1027-010-01	No Detectable	CE 95% TAR 5%
	Client Id #:	051-0106	
2).	B94-1027-010-02	No Detectable	CE 75% BI/FI 25%
	Client Id #:	051-0107	
3).	B94-1027-010-03	No Detectable	CE 100%
	Client Id #:	051-0108	
4).	B94-1027-010-04	No Detectable	CE 100%
	Client Id #:	051-0109	
5).	B94-1027-010-05	No Detectable	CE 100%
	Client Id #:	051-0110	

BULK SAMPLE ANALYSIS SUMMARY

Project Title: BUNKER HILL

Client: RUST REMEDIAL SERVICES

Sample Identification

	Sample No.	Asbestos Content	Comments	
1).	B94-1028-001-01	No Detectable	CE 30% SYNTHETIC TAR	15% 55%
	Client Id #:	051-0111		
2).	B94-1028-001-02	No Detectable	CE 25% SYNTHETIC TAR	15% 60%
	Client Id #:	051-0112		
3).	B94-1028-001-03	No Detectable	CE 35% SYNTHETIC TAR	15% 50%
	Client Id #:	051-0113		
4).	B94-1028-001-04	No Detectable	CE 30% SYNTHETIC TAR	15% 55%
	Client Id #:	051-0114		
5).	B94-1028-001-05	No Detectable	CE 30% SYNTHETIC TAR	15% 55%
	Client Id #:	051-0115		
6).	B94-1028-001-06	CH 20%		
	Client Id #:	051-0116		

BULK SAMPLE ANALYSIS SUMMARY

Project Title: BUNKER HILL

Client: RUST REMEDIAL SERVICES

Sample Identification

	Sample No.	Asbestos Content	Comments	
1).	B94-1028-002-01	CH 20%		
	Client Id #:	051-0117		
2).	B94-1028-002-02	CH 20%	BI/FI 80%	
	Client Id #:	051-0118		
3).	B94-1028-002-03	CH 20%	BI/FI 80%	
	Client Id #:	051-0119		
4).	B94-1028-002-04	CH 20%	BI/FI 80%	
	Client Id #:	051-0120		
5).	B94-1028-002-05	CH <1%	CE 45%	
	Client Id #:	051-0121	TAR	54%
6).	B94-1028-002-06	CH <1%	CE 45%	
	Client Id #:	051-0122	TAR	54%

BULK SAMPLE ANALYSIS SUMMARY

Project Title: BUNKER HILL

Client: RUST REMEDIAL SERVICES

Sample Identification

	Sample No.	Asbestos Content	Comments	
1).	B94-1028-003-01	CH <1%	CE 45% TAR	54%
	Client Id #:	051-0123		
2).	B94-1028-003-02	CH <1%	CE 45% TAR	54%
	Client Id #:	051-0124		
3).	B94-1028-003-03	CH <1%	CE 45% TAR	54%
	Client Id #:	051-0125		
4).	B94-1028-003-04	CH <1%	CE 45% TAR	54%
	Client Id #:	051-0126		
5).	B94-1028-003-05	No Detectable	CE 40% SYNTHETIC TAR	15% 45%
	Client Id #:	051-0127		
6).	B94-1028-003-06	No Detectable	CE 40% SYNTHETIC TAR	15% 45%
	Client Id #:	051-0128		

BULK SAMPLE ANALYSIS SUMMARY

Project Title: BUNKER HILL

Client: RUST REMEDIAL SERVICES

Sample Identification

	Sample No.	Asbestos Content	Comments	
1).	B94-1028-004-01	No Detectable	CE 40% SYNTHETIC TAR	15% 45%
	Client Id #:	051-0129		
2).	B94-1028-004-02	No Detectable	CE 45% SYNTHETIC TAR	15% 40%
	Client Id #:	051-0130		
3).	B94-1028-004-03	CH <1%	CE 55% TAR	44%
	Client Id #:	051-0131		
4).	B94-1028-004-04	CH <1%	CE 55% TAR	44%
	Client Id #:	051-0132		
5).	B94-1028-004-05	CH <1%	CE 55% TAR	44%
	Client Id #:	051-0133		
6).	B94-1028-004-06	CH <1%	CE 55% TAR	44%
	Client Id #:	051-0134		

BULK SAMPLE ANALYSIS SUMMARY

Project Title: BUNKER HILL

Client: RUST REMEDIAL SERVICES

Sample Identification

	Sample No.	Asbestos Content	Comments	
1).	B94-1028-005-01	CH <1%	CE 55% TAR	44%
		Client Id #: 051-0135		
2).	B94-1028-005-02	No Detectable	CE 45% SYNTHETIC TAR	15% 40%
		Client Id #: 051-0136		
3).	B94-1028-005-03	No Detectable	CE 45% SYNTHETIC TAR	15% 40%
		Client Id #: 051-0137		
4).	B94-1028-005-04	No Detectable	CE 45% SYNTHETIC TAR	15% 40%
		Client Id #: 051-0138		
5).	B94-1028-005-05	No Detectable	CE 45% SYNTHETIC TAR	15% 40%
		Client Id #: 051-0139		
6).	B94-1028-005-06	No Detectable	CE 45% SYNTHETIC TAR	15% 40%
		Client Id #: 051-0140		

BULK SAMPLE ANALYSIS SUMMARY

Project Title: BUNKER HILL

Client: RUST REMEDIAL SERVICES

Sample Identification

	Sample No.	Asbestos Content	Comments	
1)	B94-1028-006-01	CH 2%	CE 48% SYNTHETIC TAR & MICA	2% 48%
	Client Id #:	051-0141		
2)	B94-1028-006-02	CH 2%	CE 48% SYNTHETIC TAR & MICA	2% 48%
	Client Id #:	051-0142		
3)	B94-1028-006-03	CH 2%	CE 48% SYNTHETIC TAR & MICA	2% 48%
	Client Id #:	051-0143		
4)	B94-1028-006-04	CH 2%	CE 48% SYNTHETIC TAR & MICA	2% 48%
	Client Id #:	051-0144		
5)	B94-1028-006-05	CH 2%	CE 48% SYNTHETIC TAR & MICA	2% 48%
	Client Id #:	051-0145		
6)	B94-1028-006-06	CH <1%	CE 25% GYPSUM & PAINT	75%
	Client Id #:	051-0146		

BULK SAMPLE ANALYSIS SUMMARY

Project Title: BUNKER HILL

Client: RUST REMEDIAL SERVICES

Sample Identification

	Sample No.	Asbestos Content	Comments	
1).	B94-1028-007-01	No Detectable	CE 25% GYPSUM & PAINT	75%
	Client Id #:	051-0147		
2).	B94-1028-007-02	No Detectable	CE 25% GYPSUM & PAINT	75%
	Client Id #:	051-0148		
3).	B94-1028-007-03	No Detectable	CE 25% GYPSUM & PAINT	75%
	Client Id #:	051-0149		
4).	B94-1028-007-04	CH <1%	CE 25% GYPSUM & PAINT	75%
	Client Id #:	051-0150		
5).	B94-1028-007-05	No Detectable	CE 65% TAR	35%
	Client Id #:	051-0151		
6).	B94-1028-007-06	No Detectable	CE 65% TAR	35%
	Client Id #:	051-0152		

BULK SAMPLE ANALYSIS SUMMARY

Project Title: BUNKER HILL

Client: RUST REMEDIAL SERVICES

Sample Identification

	Sample No.	Asbestos Content	Comments	
1).	B94-1028-008-01	No Detectable	CE 65% TAR	35%
	Client Id #:	051-0153		
2).	B94-1028-008-02	No Detectable	CE 65% TAR	35%
	Client Id #:	051-0154		
3).	B94-1028-008-03	No Detectable	CE 65% TAR	35%
	Client Id #:	051-0155		
4).	B94-1028-008-04		CE 40% SYNTHETIC & HAIR TAR	15% 45%
	Client Id #:	051-0156		
5).	B94-1028-008-05	CH 20%	CE 38% HAIR TAR	2% 40%
	Client Id #:	051-0157		
6).	B94-1028-008-06	CH 20%	CE 38% HAIR TAR	2% 40%
	Client Id #:	051-0158		

BULK SAMPLE ANALYSIS SUMMARY

Project Title: BUNKER HILL

Client: RUST REMEDIAL SERVICES

Sample Identification

	Sample No.	Asbestos Content	Comments	
1).	B94-1028-009-01	CH 20%	CE 38% HAIR TAR	2% 40%
	Client Id #: 051-0159			
2).	B94-1028-009-02	CH 20%	CE 38% HAIR TAR	2% 40%
	Client Id #: 051-0160			
3).	B94-1028-009-03	No Detectable	CE 55% SYNTHETIC & HAIR TAR	2% 43%
	Client Id #: 051-0161			
4).	B94-1028-009-04	No Detectable	CE 55% SYNTHETIC & HAIR TAR	2% 43%
	Client Id #: 051-0162			
5).	B94-1028-009-05	No Detectable	CE 55% SYNTHETIC & HAIR	2%
	Client Id #: 051-0163			
6).	B94-1028-009-06	No Detectable	CE 55% SYN TAR	2% 43%
	Client Id #: 051-0164			

BULK SAMPLE ANALYSIS SUMMARY

Project Title: BUNKER HILL

Client: RUST REMEDIAL SERVICES

Sample Identification

	Sample No.	Asbestos Content	Comments	
1)	B94-1028-010-01	No Detectable	CE 55% SYNTHETIC & HAIR TAR	2%
	Client Id #:	051-0165		43%
2)	B94-1028-010-02	No Detectable	CE 99%	
	Client Id #:	051-0166		
3)	B94-1028-010-03	No Detectable	CE 99%	
	Client Id #:	051-0167		
4)	B94-1028-010-04	No Detectable	CE 99%	
	Client Id #:	051-0168		
5)	B94-1028-010-05	No Detectable	CE 99%	
	Client Id #:	051-0169		
6)	B94-1028-010-06	No Detectable	CE 99%	
	Client Id #:	051-0170		

BULK SAMPLE ANALYSIS SUMMARY

Project Title: BUNKER HILL

Client: RUST REMEDIAL SERVICES

Sample Identification

	Sample No.	Asbestos Content	Comments	
1).	B94-1028-011-01	CH 3%	VINYL & TAR	97%
	Client Id #:	051-0171		
2).	B94-1028-011-02	CH 3%	VINYL & MASTIC	97%
	Client Id #:	051-0172		
3).	B94-1028-011-03	CH 3%	VINYL & MASTIC	97%
	Client Id #:	051-0173		
4).	B94-1028-011-04	CH 3%	VINYL & TAR	97%
	Client Id #:	051-0174		
5).	B94-1028-011-05	CH 3%	VINYL & MASTIC	97%
	Client Id #:	051-0175		
6).	B94-1028-011-06		MASTIC	100%
	Client Id #:	051-0176		

BULK SAMPLE ANALYSIS SUMMARY

Project Title: BUNKER HILL

Client: RUST REMEDIAL SERVICES

Sample Identification

	Sample No.	Asbestos Content	Comments	
1).	B94-1028-012-01	No Detectable	BROWN MASTIC	100%
	Client Id #:	051-0177		
2).	B94-1028-012-02	No Detectable	BROWN MASTIC	100%
	Client Id #:	051-0178		
3).	B94-1028-012-03	No Detectable	BROWN MASTIC	100%
	Client Id #:	051-0179		
4).	B94-1028-012-04	No Detectable	BROWN MASTIC	100%
	Client Id #:	051-0180		
5).	B94-1028-012-05	CH <1%	WINDOW GLAZE & PAINT	99%
	Client Id #:	051-0181		
6).	B94-1028-012-06	CH <1%	WINDOW GLAZE & PAINT	99%
	Client Id #:	051-0182		

BULK SAMPLE ANALYSIS SUMMARY

Project Title: BUNKER HILL

Client: RUST REMEDIAL SERVICES

Sample Identification

	Sample No.	Asbestos Content	Comments
1).	B94-1028-013-01	CH <1%	
	Client Id #:	051-0183	
2).	B94-1028-013-02	CH <1%	WINDOW GLAZE & PAINT 99%
	Client Id #:	051-0184	
3).	B94-1028-013-03		WINDOW GLAZE & PAINT 100%
	Client Id #:	051-0185	
4).	B94-1028-013-04	CH 5%	VINYL 95%
	Client Id #:	051-0186	
5).	B94-1028-013-05	CH 3%	VINYL 97%
	Client Id #:	051-0187	
6).	B94-1028-013-06	CH 2%	VINYL & METAL FLAKES 98%
	Client Id #:	051-0188	

BULK SAMPLE ANALYSIS SUMMARY

Project Title: BUNKER HILL

Client: RUST REMEDIAL SERVICES

Sample Identification

	Sample No.	Asbestos Content	Comments	
1).	B94-1028-014-01	CH 7%	VINYL	93%
	Client Id #:	051-0189		
2).	B94-1028-014-02	CH 7%	VINYL	93%
	Client Id #:	051-0190		
3).	B94-1028-014-03	CH 2%	WINDOW GLAZE	98%
	Client Id #:	051-0191		
4).	B94-1028-014-04	CH 2%	WINDOW GLAZE	98%
	Client Id #:	051-0192		
5).	B94-1028-014-05	CH 2%	WINDOW GLAZE	98%
	Client Id #:	051-0193		
6).	B94-1028-014-06	No Detectable	WINDOW GLAZE	100%
	Client Id #:	051-0194		

BULK SAMPLE ANALYSIS SUMMARY

Project Title: BUNKER HILL

Client: RUST REMEDIAL SERVICES

Sample Identification

	Sample No.	Asbestos Content	Comments	
1).	B94-1028-015-01	CH 2%	WINDOW GLAZE	98%
	Client Id #:	051-0195		
2).	B94-1028-015-02	CH 30%	CEMENT	70%
	Client Id #:	051-0196		
3).	B94-1028-015-03	CH 30%	CEMENT	70%
	Client Id #:	051-0197		
4).	B94-1028-015-04	CH 30%	CEMENT	70%
	Client Id #:	051-0198		
5).	B94-1028-015-05	CH 30%	CEMENT	70%
	Client Id #:	051-0199		
6).	B94-1028-015-06	CH 30%	CEMENT	70%
	Client Id #:	051-0200		

BULK SAMPLE ANALYSIS SUMMARY

Project Title: BUNKER HILL

Client: RUST REMEDIAL SERVICES

Sample Identification

	Sample No.	Asbestos Content	Comments
1).	B94-1028-016-01	CH 45%	BI/FI 55%
	Client Id #:	051-0201	
2).	B94-1028-016-02	CH 45%	
	Client Id #:	051-0202	
3).	B94-1028-016-03	CH 45%	BI/FI 55%
	Client Id #:	051-0203	
4).	B94-1028-016-04	CH 45%	BI/FI 55%
	Client Id #:	051-0204	
5).	B94-1028-016-05	CH 45%	
	Client Id #:	051-0205	
6).	B94-1028-016-06	No Detectable	BI/FI 80%
	Client Id #:	051-0206	SYNTHETIC

20%

BULK SAMPLE ANALYSIS SUMMARY

Project Title: BUNKER HILL

Client: RUST REMEDIAL SERVICES

Sample Identification

	Sample No.	Asbestos Content	Comments	
1).	B94-1028-017-01	No Detectable	BI/FI 80% SYNTHETIC	20%
	Client Id #:	051-0207		
2).	B94-1028-017-02	No Detectable	GL 2% BI/FI 78% SYNTHETIC	20%
	Client Id #:	051-0208		
3).	B94-1028-017-03	No Detectable	BI/FI 80% SYNTHETIC	20%
	Client Id #:	051-0209		
4).	B94-1028-017-04	No Detectable	GL 1% BI/FI 79% SYNTHETIC	20%
	Client Id #:	051-0210		
5).	B94-1028-017-05	CH 20%	SILVER PAINT	80%
	Client Id #:	051-0211		
6).	B94-1028-017-06	CH 20%	SILVER PAINT & TAR	80%
	Client Id #:	051-0212		

BULK SAMPLE ANALYSIS SUMMARY

Project Title: BUNKER HILL

Client: RUST REMEDIAL SERVICES

Sample Identification

	Sample No.	Asbestos Content	Comments	
1).	B94-1028-018-01	CH 3%	SYNTHETIC SILVER PAINT & TAR	10% 87%
	Client Id #:	051-0213		
2).	B94-1028-018-02	CH 20%	SILVER PAINT & TAR	80%
	Client Id #:	051-0214		
3).	B94-1028-018-03	CH 20%	SILVER PAINT	80%
	Client Id #:	051-0215		
4).	B94-1028-018-04	CH 10%	SYNTHETIC SILVER PAINT & TAR	5% 85%
	Client Id #:	051-0216		
5).	B94-1028-018-05	CH 1%	CE 15% SYNTHETIC SILVER PAINT & TAR	5% 79%
	Client Id #:	051-0217		
6).	B94-1028-018-06	CH <1%	SYNTHETIC SILVER PAINT & TAR	20% 79%
	Client Id #:	051-0218		

BULK SAMPLE ANALYSIS SUMMARY

Project Title: BUNKER HILL

Client: RUST REMEDIAL SERVICES

Sample Identification

	Sample No.	Asbestos Content	Comments	
1).	B94-1028-019-01	CH <1%	SYNTHETIC SILVER PAINT & TAR	30% 69%
	Client Id #: 051-0219			
2).	B94-1028-019-02	CH <1%	CE 30% SYNTHETIC SILVER PAINT & TAR	20% 50%
	Client Id #: 051-0220			
3).	B94-1028-019-03	No Detectable	SILVER PAINT	100%
	Client Id #: 051-0221			
4).	B94-1028-019-04	No Detectable	SILVER PAINT	100%
	Client Id #: 051-0222			
5).	B94-1028-019-05	No Detectable	SILVER PAINT	100%
	Client Id #: 051-0223			
6).	B94-1028-019-06	No Detectable	SILVER PAINT	100%
	Client Id #: 051-0224			
7).	B94-1028-019-07	No Detectable	SILVER PAINT	100%
	Client Id #: 051-0225			

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/19/94

Client Id #: 051-01

Sample #: B94-1019-007-01

Estimated Percentage

Asbestiform:

Chrysotile.....	40 %
Amosite.....	
Crocidolite.....	
Anthophyllite	
Tremolite-Actinolite	

Major Fibrous Components:

Cellulose	40%
Glass	%
Other ...	%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	%
Other ... TAR	20%

Comments: TOP LAYER TAR PAPER CONTAINS 40% CHRYSOTILE Analyst: KD
40% CELLULOSE, TAR LAYER NON-DETECTED

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/19/94

Client Id #: 051-02

Sample #: B94-1019-007-02

Estimated Percentage

Asbestiform:

Chrysotile.....	40 %
Amosite.....	
Crocidolite.....	
Anthophyllite	
Tremolite-Actinolite	

Major Fibrous Components:

Cellulose	40%
Glass	%
Other ...	%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	%
Other ... TAR	20%

Comments: MIDDLE TAR PAPER LAYER CONTAINS 40% CHRY
40% CELLULOSE, TAR LAYER NON-DETECTED

....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/19/94

Client Id #: 051-03

Sample #: B94-1019-007-03

Estimated Percentage

Asbestiform:

Chrysotile.....	35 %
Amosite.....	
Crocidolite.....	
Anthophyllite	
Tremolite-Actinolite	

Major Fibrous Components:

Cellulose	35%
Glass	%
Other ...	%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	%
Other ... TAR LAYER	30%

Comments: BOTTOM PAPER LAYER CONTAINS 35% CHRYSOTILE
35% CELLULOSE, 30% TAR

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/19/94

Client Id #: 051-04

Sample #: B94-1019-007-04

Estimated Percentage

Asbestiform:

Chrysotile.....	40 %
Amosite.....	
Crocidolite.....	
Anthophyllite	
Tremolite-Actinolite	

Major Fibrous Components:

Cellulose	40%
Glass	%
Other ...	%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	%
Other ... TAR LAYER	20%

Comments: TOP LAYER TAR PAPER CONTAINS 40% CHRY
40% CELLULOSE, TAR NON-DETECTED

....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/20/94

Client Id #: 051-05

Sample #: B94-1019-007-05

Estimated Percentage

Asbestiform:

Chrysotile..... 40 %
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 40%
Glass %
Other

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 20%

Comments: MIDDLE TAR PAPER LAYER CONTAINS 40% CHRY
CELLULOSE 40%, TAR NON-DETECTED

....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/20/94

Client Id #: 051-06

Sample #: B94-1019-007-06

Estimated Percentage

Asbestiform:

Chrysotile.....	40 %
Amosite.....	
Crocidolite.....	
Anthophyllite	
Tremolite-Actinolite	

Major Fibrous Components:

Cellulose	40%
Glass	%
Other ...	%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	%
Other ... TAR LAYER	20%

Comments: BOTTOM TAR PAPER LAYER CONTAINS 40% CHRY Analyst: KD
CELLULOSE 40%, TAR NON-DETECTED

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/20/94

Client Id #: 051-07

Sample #: B94-1019-008-01

Estimated Percentage

Asbestiform:

Chrysotile.....	40 %
Amosite.....	
Crocidolite.....	
Anthophyllite	
Tremolite-Actinolite	

Major Fibrous Components:

Cellulose	40%
Glass	%
Other ...	%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	%
Other ... TAR LAYER	20%

Comments: TOP TAR PAPER LAYER CONTAINS 40% CHRY
40% CELLULOSE, TAR NON-DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/20/94

Client Id #: 051-08

Sample #: B94-1019-008-02

Estimated Percentage

Asbestiform:

Chrysotile.....	45 %
Amosite.....	
Crocidolite.....	
Anthophyllite	
Tremolite-Actinolite	

Major Fibrous Components:

Cellulose	45%
Glass	%
Other ...	%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	%
Other ... TAR	10%

Comments: MIDDLE TAR PAPER LAYER CONTAINS 45% CHRY
45% CELLULOSE, TAR NON-DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/20/94

Client Id #: 051-09

Sample #: B94-1019-008-03

Estimated Percentage

Asbestiform:

Chrysotile.....	35 %
Amosite.....	
Crocidolite.....	
Anthophyllite	
Tremolite-Actinolite	

Major Fibrous Components:

Cellulose	35%
Glass	%
Other ...	%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	%
Other ... TAR LAYER	30%

Comments: BOTTOM TAR PAPER LAYER CONTAINS 35% CHRY
CELLULOSE 35%, TAR NON-DETECTED

....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/20/94

Client Id #: 051-010

Sample #: B94-1019-008-04

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 45%
Glass %
Other ... SYNTHETIC 30%

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 25%

Comments: TAR PAPER CONTAINS 45% CELLULOSE, 30% SYN Analyst: KD
20% TAR, NO ASBESTOS DETECTED

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/20/94

Client Id #: 051-011

Sample #: B94-1019-008-05

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 45%
Glass %
Other ... SYNTHETIC 30%

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 25%

Comments: TAR PAPER CONTAINS 45% CELLULOSE, 30% SYN
25% TAR, NO ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/20/94

Client Id #: 051-012

Sample #: B94-1019-008-06

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 45%
Glass %
Other ... SYNTHETIC 30%

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 25%

Comments: TAR PAPER CONTAINS 45% CELLULOSE, 30% SYN
25% TAR, NO ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/20/94

Client Id #: 051-013

Sample #: B94-1019-009-01

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 45%
Glass %
Other ... SYNTHETIC 30%

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 25%

Comments: TAR PAPER CONTAINS 45% CELLULOSE, 30% SYN
25% TAR, NO ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/20/94

Client Id #: 051-014

Sample #: B94-1019-009-02

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose 45%
Glass %
Other ... SYNTHETIC 30%

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 25%

Comments: TAR PAPER CONTAINS 45% CELLULOSE, 30% SYN
25% TAR, NO ASBESTOS DETECTED

....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/20/94

Client Id #: 051-015

Sample #: B94-1019-009-03

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose 45%
Glass %
Other ... SYNTHETIC & HAIR 30%

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 25%

Comments: TAR PAPER CONTAINS 45% CELLULOSE, 30% SYN
TR HAIR, 25% TAR, NO ASBESTOS DETECTED

....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/20/94

Client Id #: 051-016

Sample #: B94-1019-009-04

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 80%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 20%

Comments: PAPER CONTAINS 80% CELLULOSE, 20% TAR
NO ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/20/94

Client Id #: 051-017

Sample #: B94-1019-009-05

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 80%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 20%

Comments: PAPER CONTAINS 80% CELLULOSE, 20% TAR
NO ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/20/94

Client Id #: 051-018

Sample #: B94-1019-009-06

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 80%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 20%

Comments: PAPER CONTAINS 80% CELLULOSE, 20% TAR
NO ASBESTOS DETECTED

....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/20/94

Client Id #: 051-019

Sample #: B94-1019-010-01

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 45%
Glass %
Other ... SYNTHETIC 30%

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 25%

Comments: TAR PAPER FROM SILO CONTAINS 45% CELLULOSE,
30% SYNTHETIC, 25% TAR

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/20/94

Client Id #: 051-020

Sample #: B94-1019-010-02

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite,
Tremolite-Actinolite

Major Fibrous Components:

Cellulose 45%
Glass %
Other ... SYNTHETIC 30%

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 25%

Comments: TAR PAPER FROM SILO CONTAINS 45% CELLULOSE,
30% SYNTHETIC, TAR 25%Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/20/94

Client Id #: 051-021

Sample #: B94-1019-010-03

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose 40%
Glass %
Other ... SYNTHETIC 25%

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 35%

Comments: TAR PAPER FROM SILO CONTAINS 40% CELLULOSE
25% SYNTHETIC, TAR 35% Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/20/94

Client Id #: 051-022

Sample #: B94-1019-010-04

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 45%
Glass %
Other ... SYNTHETIC 30%

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 25%

Comments: TAR PAPER CONTAINS 45% CELLULOSE, 30% SYN
25% TAR, NO ASBESTOS DETECTED

....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/20/94

Client Id #: 051-023

Sample #: B94-1019-010-05

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 45%
Glass %
Other ... SYNTHETIC 30%

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 25%

Comments: TAR PAPER CONTAINS 45% CELLULOSE, 30% SYN
25% TAR, NO ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/20/94

Client Id #: 051-024

Sample #: B94-1019-010-06

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 45%
Glass %
Other ... SYNTHETIC 25%

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR & PAINT LAYER 30%

Comments: TAR PAPER LAYER CONTAINS 45% CE, 25% SYN Analyst: KD
30% TAR, WH PAINT LAYER, NO ASBESTOS DETECTED

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/20/94

Client Id #: 051-025

Sample #: B94-1019-011-01

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose %
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler 99%
Other ... METAL 1%

Comments: STUCCO SAMPLE CONTAINS NO FIBERS, 1 PIECE OF METAL, NO ASBESTOS DETECTED Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/20/94

Client Id #: 051-026

Sample #: B94-1019-011-02

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose %
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler 100%
Other %

Comments: STUCCO SAMPLE CONTAINS NO FIBERS, GREY PAINT Analyst: KD
NO FIBERS, NO ASBESTOS DETECTED

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/20/94

Client Id #: 051-027

Sample #: B94-1019-011-03

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose %
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler 100%
Other %

Comments: STUCCO CONTAINS NO FIBERS, GREY PAINT CONTAIN Analyst: KD
NO FIBERS, 1 PIECE METAL, NO ASBESTOS DETECT.

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/20/94

Client Id #: 051-028

Sample #: B94-1019-011-04

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose 1%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler 99%
Other %

Comments: STUCCO CONTAINS 1% CELLULOSE, WHITE PAINT
LAYER NO FIBERS, NO ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/20/94

Client Id #: 051-029

Sample #: B94-1019-011-05

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 5%
Glass %
Other ... HAIR 1%

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler 94%
Other %

Comments: STUCCO CONTAINS 5% CELLULOSE, 1% HAIR Analyst: KD
WHITE PAINT LAYER CONTAIN NO FIBERS, NO ASB.

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/20/94

Client Id #: 051-030

Sample #: B94-1019-011-06

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite,
Tremolite-Actinolite

Major Fibrous Components:

Cellulose 5%
Glass %
Other ... HAIR 2%

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler 93%
Other %

Comments: STUCCO CONTAINS 5% CELLULOSE, 2% HAIR, WHITE PAINT NO FIBERS, NO ASBESTOS DETECTED Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/20/94

Client Id #: 051-031

Sample #: B94-1020-002-01

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose 80%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 20%

Comments: TAR PAPER CONTAIN 80% CELLULOSE, 20% TAR
NO ASBESTOS DETECTED

....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/20/94

Client Id #: 051-032

Sample #: B94-1020-002-02

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 75%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 25%

Comments: TAR PAPER CONTAINS 75% CELLULOSE, 25% TAR
NO ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/20/94

Client Id #: 051-033

Sample #: B94-1020-002-03

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose 90%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 10%

Comments: TAR PAPER CONTAINS 90% CELLULOSE, 10% TAR Analyst: KD
NO ASBESTOS DETECTED

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/20/94

Client Id #: 051-034

Sample #: B94-1020-002-04

Estimated Percentage

Asbestiform:

Chrysotile.....	3 %
Amosite.....	
Crocidolite.....	
Anthophyllite	
Tremolite-Actinolite	

Major Fibrous Components:

Cellulose	40%
Glass	%
Other ...	%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	%
Other ... TAR	57%

Comments: TAR PAPER CELLULOSE, GREY PATCH LAYER 45%
CHRYSTALITE, TOTAL FOR SAMPLE 3% CHRYSTALITE

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/20/94

Client Id #: 051-035

Sample #: B94-1020-002-05

Estimated Percentage

Asbestiform:

Chrysotile.....	2	%
Amosite.....		
Crocidolite.....		
Anthophyllite		
Tremolite-Actinolite		

Major Fibrous Components:

Cellulose	50%
Glass	%
Other ...	%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	%
Other ... TAR	48%

Comments: TAR PAPER LAYER CE 50%, TAR 48% GRY PATCH

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/20/94

Client Id #: 051-036

Sample #: B94-1020-002-06

Estimated Percentage

Asbestiform:

Chrysotile.....	3 %
Amosite.....	
Crocidolite.....	
Anthophyllite	
Tremolite-Actinolite	

Major Fibrous Components:

Cellulose	45%
Glass	%
Other ...	%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	%
Other ... TAR	52%

Comments: TAR PAPER 45% CELLULOSE, TR SYN, GREY PATCH
LAYER 45% CHRY. 3% CHRY FOR TOTAL SAMPLE

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/20/94

Client Id #: 051-037

Sample #: B94-1019-015-02

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 60%
Glass %
Other ... SYNTHETIC & TR HAIR 15%

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 25%

Comments: TAR PAPER CONTAINS 60% CELLULOSE, 15% SYN &Analyst: KD
TR HAIR, 25% TAR, NO ASBESTOS DETECTED

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/20/94

Client Id #: 051-038

Sample #: B94-1019-015-03

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 55%
Glass %
Other ... SYNTHETIC & TR HAIR 20%

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 25%

Comments: TAR PAPER CONTAINS 55% CELLULOSE, 20% SYN
& HAIR, 25% TAR, NO ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/20/94

Client Id #: 051-039

Sample #: B94-1019-015-04

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 50%
Glass %
Other ... SYNTHETIC & HAIR 20%

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 30%

Comments: TAR PAPER LAYER 50% CE, 20% SYN & HAIR, 30% Analyst: KD
TAR, NO ASBESTOS DDETECTED

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/20/94

Client Id #: 051-040

Sample #: B94-1019-015-05

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite,
Tremolite-Actinolite

Major Fibrous Components:

Cellulose 100%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other %

Comments: SAMPLE CONTAINS 100% CELLULOSE

....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/20/94

Client Id #: 051-041

Sample #: B94-1019-015-06

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 100%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other %

Comments: SAMPLE CONTAINS 100% CELLULOSE

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/20/94

Client Id #: 051-042

Sample #: B94-1019-016-01

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose 100%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other %

Comments: SAMPLE CONTAINS 100% CELLULOSE, NO ASBESTOS DETECTEDAnalyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/20/94

Client Id #: 051-043

Sample #: B94-1019-017-01

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose %
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other %

Comments:

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/20/94

Client Id #: 051-044

Sample #: B94-1019-017-02

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose %
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other %

Comments:

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/20/94

Client Id #: 051-045

Sample #: B94-1019-017-03

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose %
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other %

Comments:

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/20/94

Client Id #: 051-046

Sample #: B94-1019-017-04

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose %
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other %

Comments:

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/20/94

Client Id #: 051-047

Sample #: B94-1019-017-05

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose %
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other %

Comments:

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/20/94

Client Id #: 051-048

Sample #: B94-1019-017-06

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose 80%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 20%

Comments: TAR PAPER CONTAINS 80% CELLULOSE, 20% TAR
NO ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/24/94

Client Id #: 051-049

Sample #: B94-1024-002-01

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 100%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other %

Comments: FIBERBOARD BETWEEN CAB BOARD CONTAINS 100% CELLULOSE, NO ASBESTOS DETECTED

....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/24/94

Client Id #: 051-050

Sample #: B94-1024-002-02

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose 99%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 1%

Comments: BROWN FIBERBOARD CONTAINS 100% CELLULOSE
BLACK TAR NON-FIBROUS, NO ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/24/94

Client Id #: 051-051

Sample #: B94-1024-002-03

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 100%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other %

Comments: FIBERBOARD CONTAINS 100% CELLULOSE
NO ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-052

Sample #: B94-1027-001-01

Estimated Percentage

Asbestiform:

Chrysotile.....	20 %
Amosite.....	
Crocidolite.....	
Anthophyllite	
Tremolite-Actinolite	

Major Fibrous Components:

Cellulose	20%
Glass	%
Other ...	%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	%
Other ... TAR	60%

Comments: ROOFING MASTIC CONTAINS 40% CHRYSOTILE,
BOTTON LAYER CONTAINS CE, TAR & GRAVEL

.....Analyst: kd

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-053

Sample #: B94-1027-001-02

Estimated Percentage

Asbestiform:

Chrysotile.....	20 %
Amosite.....	
Crocidolite.....	
Anthophyllite	
Tremolite-Actinolite	

Major Fibrous Components:

Cellulose	20%
Glass	%
Other ...	%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	%
Other ... TAR	60%

Comments: ROOFING MASTIC CONTAINS 40% CHRYSOTILE
BOTTOM LAYER CONTAINS CE, TAR & GRAVEL

.....Analyst: kd

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-054

Sample #: B94-1027-001-03

Estimated Percentage

Asbestiform:

Chrysotile.....	10 %
Amosite.....	
Crocidolite.....	
Anthophyllite	
Tremolite-Actinolite	

Major Fibrous Components:

Cellulose	40%
Glass	%
Other ...	%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	%
Other ... TAR	50%

Comments: ROOFING MASTIC CONTAINS 40% CHRYSOTILE
BOTTOM LAYER CONTAINS CE, TAR & GRAVEL

....Analyst: kd

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-055

Sample #: B94-1027-001-04

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 75%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR & GRAVEL 25%

Comments: SAMPLE CONTAINS 75% CELLULOSE, 25% TAR &
GRAVEL, NO ASBESTOS DETECTED

.....Analyst: kd

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-056

Sample #: B94-1027-001-05

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 75%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR & GRAVEL 25%

Comments: SAMPLE CONTAINS 75% CELLULOSE, 25% TAR &
GRAVEL, NO ASBESTOS DETECTED

....Analyst: kd

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-057

Sample #: B94-1027-001-06

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose 65%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR & GRAVEL 35%

Comments: SAMPLE CONTAINS 65% CELLULOSE, 35% TAR &
GRAVEL, NO ASBESTOS DETECTED

.....Analyst: kd

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 05-058

Sample #: B94-1027-002-01

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 75%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 25%

Comments: SAMPLE CONTAINS 75% CELLULOSE, 25% TAR
NO ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-059

Sample #: B94-1027-002-02

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 75%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 25%

Comments: SAMPLE CONTAINS 75% CELLULOSE, 25% TAR
NO ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-060

Sample #: B94-1027-002-03

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 75%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 25%

Comments: SAMPLE CONTAINS 75% CELLULOSE, 25% TAR
NO ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-061

Sample #: B94-1027-002-04

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 75%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 25%

Comments: SAMPLE CONTAINS 75% CELLULOSE, 25% TAR
NO ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-062

Sample #: B94-1027-002-05

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 75%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 25%

Comments: SAMPLE CONTAINS 75% CELLULOSE, 25% TAR
NO ASBESTOS DETECTED

....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-063

Sample #: B94-1027-002-06

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 80%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 20%

Comments: SAMPLE CONTAINS 80% CELLULOSE, 20% TAR
NO ASBESTOS DETECTED

....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-064

Sample #: B94-1027-003-01

Estimated Percentage

Asbestiform:

Chrysotile.....	5 %
Amosite.....	
Crocidolite.....	
Anthophyllite	
Tremolite-Actinolite	

Major Fibrous Components:

Cellulose	25%
Glass	%
Other ... SYNTHETIC	2%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	%
Other ... TAR	68%

Comments: PATCH MATERIAL 40% CHRY, CELLULOSE LAYER &
TAR LAYER, 5% SYNTHETIC

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-065

Sample #: B94-1027-003-02

Estimated Percentage

Asbestiform:

Chrysotile.....	15 %
Amosite.....	
Crocidolite.....	
Anthophyllite	
Tremolite-Actinolite	

Major Fibrous Components:

Cellulose	35%
Glass	%
Other ... SYNTHETIC	3%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	%
Other ... TAR	47%

Comments: SAMPLE CONTAINS 40% CHRY IN PATCH LAYER
15% CHRY IN PAPER LAYER

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-066

Sample #: B94-1027-003-03

Estimated Percentage

Asbestiform:

Chrysotile.....	25 %
Amosite.....	
Crocidolite.....	
Anthophyllite	
Tremolite-Actinolite	

Major Fibrous Components:

Cellulose	25%
Glass	%
Other ... SYNTHETIC	2%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	%
Other ... TAR	48%

Comments: PATCH MATERIAL & ROOFING PAPER CONTAIN 25%
CHRY, CELLULOSE & SYN. BOTTOM TAR IS N.D.

....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-067

Sample #: B94-1027-003-04

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 25%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... GYPSUM & PAINT 75%

Comments: SHEETROCK CONTAINS 25% CELLULOSE
NO ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-068

Sample #: B94-1027-003-05

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 20%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... GYPSUM & PAINT 80%

Comments: SHEETROCK CONTAINS 20% CELLULOSE, 3 NON-FIBROUS PAINT LAYERS, NO ASBESTOS DETECTED

....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-069

Sample #: B94-1027-003-06

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 45%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... GYPSUM & PAINT 55%

Comments: SHEETROCK CONTAINS 45% CELLULOSE, PAINT
LAYER NON-FIBROUS, NO ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-070

Sample #: B94-1027-004-01

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose 20%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... GYPSUM & PAINT 80%

Comments: SHEETROCK CONTAINS 20% CELLULOSE, PAINT LAYER Analyst: KD
NON-FIBROUS, NO ASBESTOS DETECTED

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-071

Sample #: B94-1027-004-02

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 25%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... GYPSUM 75%

Comments: SHEETROCK CONTAINS 25% CELLULOSE, PAINT NON-
FIBROUS, NO ASBESTOS DETECTED Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-072

Sample #: B94-1027-004-03

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose %
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler 100%
Other %

Comments: WINDOW GLAZE & PAINT IS NON-FIBROUS, NO
ASBESTOS DETECTED

....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-073

Sample #: B94-1027-004-04

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose %
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler 100%
Other %

Comments: WINDOW GLAZE & PAINT IS NON-FIBROUS
NO ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-074

Sample #: B94-1027-004-05

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose %
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler 100%
Other %

Comments: WINDOW GLAZE & PAINT IS NON-FIBROUS, NO
ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-075

Sample #: B94-1027-004-06

Estimated Percentage

Asbestiform:

Chrysotile.....	2	%
Amosite.....		
Crocidolite.....		
Anthophyllite		
Tremolite-Actinolite		

Major Fibrous Components:

Cellulose		%
Glass		%
Other ...		%

Major Non-Fibrous Materials:

Perlite		%
Mica		%
Binder/Filler	98%	
Other ...		%

Comments: WINDOW GLAZE CONTAINS 2% CHRYSOTILE

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-076

Sample #: B94-1027-005-01

Estimated Percentage

Asbestiform:

Chrysotile.....	2 %
Amosite.....	
Crocidolite.....	
Anthophyllite	
Tremolite-Actinolite	

Major Fibrous Components:

Cellulose	%
Glass	%
Other	%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	98%
Other	%

Comments: WINDOW GLAZE CONTAINS 2% CHRYSOTILE

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-077

Sample #: B94-1027-005-02

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 100%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other %

Comments: SAMPLE CONTAINS 100% CELLULOSE, NO ASBESTOS
DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-078

Sample #: B94-1027-005-03

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose 100%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other %

Comments: SAMPLE CONTAINS 100% CELLULOSE, NO ASBESTOS DETECTED Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Cient Id #: 051-079

Sample #: B94-1027-005-04

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose 100%
Glass %
Other

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other

Comments: SAMPLE CONTAINS 100% CELLULOSE, NO ASBESTOS DETECTED Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-080

Sample #: B94-1027-005-05

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose 100%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other %

Comments: SAMPLE CONTAINS 100% CELLULOSE, NO ASBESTOS DETECTED Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-081

Sample #: B94-1027-005-06

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose 100%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other %

Comments: SAMPLE CONTAINS 100% CELLULOSE, NO ASBESTOS DETECTED Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-082

Sample #: B94-1027-006-01

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose 100%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other %

Comments: SAMPLE CONTAINS 100% CELLULOSE
NO ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-083

Sample #: B94-1027-006-02

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 1%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... MORTOR AND PAINT 99%

Comments: TRACE OF CELLULOSE FOUND IN GOLD LAYER
GRAY LAYER NON-FIBEROUS, NO ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-084

Sample #: B94-1027-006-03

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose 1%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... CEMENTATION 99%

Comments: TRACE CELLULOSE, GRAY MATERIAL NON-FRIABLE
METAL BINDER, NO ASBESTOS DETECTED

....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-085

Sample #: B94-1027-006-04

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 98%
Glass %
Other ... HAIR 2%

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other %

Comments: PLASTER SAMPEL CONTAINS 2% HAIR AND A TRACE CELLULOSE, NO ASBESTOS DETECTEDAnalyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-086

Sample #: B94-1027-006-05

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose %
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... PLASTER 100%

Comments: TRACE HAIR AND TRACE CELLULOSE, NO ASBESTOS DETECTED Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-087

Sample #: B94-1027-006-06

Estimated Percentage

Asbestiform:

Chrysotile.....	5	%
Amosite.....		
Crocidolite.....		
Anthophyllite		
Tremolite-Actinolite		

Major Fibrous Components:

Cellulose		%
Glass		%
Other ... SYNTHETIC	5%	

Major Non-Fibrous Materials:

Perlite		%
Mica		%
Binder/Filler		%
Other ... TAR, SILVER PAINT	90%	

Comments: SILVER PAINT & PATCHING MATERIAL CONTAINS
20% CHRY, 1 LAYER TAR, NO ASBESTOS DETECT

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-088

Sample #: B94-1027-007-01

Estimated Percentage

Asbestiform:

Chrysotile.....	10 %
Amosite.....	
Crocidolite.....	
Anthophyllite	
Tremolite-Actinolite	

Major Fibrous Components:

Cellulose	%
Glass	%
Other ...	%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	%
Other ... SILVER PAINT & TAR	90%

Comments: SILVER PAINT AND TAR LAYERS 20% CH,
ADDITIONAL TAR LAYER NO ASBESTOS DETECTED

....Analyst:

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-089

Sample #: B94-1027-007-02

Estimated Percentage

Asbestiform:

Chrysotile.....	2 %
Amosite.....	
Crocidolite.....	
Anthophyllite	
Tremolite-Actinolite	

Major Fibrous Components:

Cellulose	%
Glass	%
Other ... SYNTHETIC	5%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	%
Other ... SILVER PAINT & TAR	93%

Comments: SILVER PAINT & TAR CONTAINS 20% CHRY.
SHINY BLK TAR NON- DETECTED

.....Analyst:

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-090

Sample #: B94-1027-007-03

Estimated Percentage

Asbestiform:

Chrysotile.....	2 %
Amosite.....	
Crocidolite.....	
Anthophyllite	
Tremolite-Actinolite	

Major Fibrous Components:

Cellulose	%
Glass	%
Other ... SYNTHETIC	5%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	%
Other ... SILVER PAINT & TAR	93%

Comments: SILVER PAINT & TAR CONTAIN 20% CHRY
SHINY BLACK TAR LAYER NON-DETECTED

.....Analyst:

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-091

Sample #: B94-1027-007-04

Estimated Percentage

Asbestiform:

Chrysotile.....	20 %
Amosite.....	
Crocidolite.....	
Anthophyllite	
Tremolite-Actinolite	

Major Fibrous Components:

Cellulose	%
Glass	%
Other ... SYNTHETIC	3%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	%
Other ... SILVER PAINT & TAR	77%

Comments: SAMPLE CONTAINS SILVER PAINT LAYER 20% CHRY Analyst:
SYNTHETIC LAYER, TAR 20% CHRY

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-092

Sample #: B94-1027-007-05

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose 80%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 20%

Comments: PAPER IS 100% CELLULOSE, TAR IS NON- FIBROUSAnalyst:
NO ASBESTOS DETECTED

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-093

Sample #: B94-1027-007-06

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose 80%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 20%

Comments: SAMPLE CONTAINS 80% CELLULOSE, 20% TAR
NO ASBESTOS DETECTED

.....Analyst:

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-094

Sample #: B94-1027-008-01

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose %
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... MORTAR 99%

Comments: MORTAR CONTAIN A TRACE OF CELLULOSE
NO ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-095

Sample #: B94-1027-008-02

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose %
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... MORTAR 99%

Comments: GREY MORTAR CONTAINS A TRACE OF CELLULOSE
NO ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-096

Sample #: B94-1027-008-03

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose %
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... MORTAR & BRICK 99%

Comments: GREY MORTAR CONAINS TRACE OF CELLULOSE
RED BRICK NON-FIBROUS, NO ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-097

Sample #: B94-1027-008-04

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose %
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... MORTAR 100%

Comments: GREY MORTAR IS NON-DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-098

Sample #: B94-1027-008-05

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose %
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... MORTAR 100%

Comments: GREY MORTAR IS NON-FIBROUS
NO ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-0100

Sample #: B94-1027-009-01

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose 80%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 20%

Comments: SAMPLE CONTAINS 80% CELLULOSE & 20% TAR
NO ASBESTOS DETECTED

.....Analyst:

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-0101

Sample #: B94-1027-009-02

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose 80%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 20%

Comments: SAMPLE CONTAINS 80% CELLULOSE & 20% TAR
NO ASBESTOS DETECTED

.....Analyst:

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-099

Sample #: B94-1027-008-06

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose 80%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 20%

Comments: SAMPLE CONTAINS 80% CELLULOSE, 20% TAR
NO ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-0102

Sample #: B94-1027-009-03

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose 90%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 10%

Comments: SAMPLE CONTAINS 90% CELLULOSE, 10% TAR
NO ASBESTOS DETECTED

.....Analyst:

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-0103

Sample #: B94-1027-009-04

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose 90%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 10%

Comments: SAMPLE CONTAINS 90% CELLULOSE, 10% TAR
NO ASBESTOS DETECTED

.....Analyst:

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-0104

Sample #: B94-1027-009-05

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose 90%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 10%

Comments: SAMPLE CONTAINS 90% CELLULOSE, 10% TAR
NO ASBESTOS DETECTED

.....Analyst:

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-0105

Sample #: B94-1027-009-06

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose 100%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other %

Comments: SAMPLE CONTAINS 100% CELLULOSE

.....Analyst:

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-0106

Sample #: B94-1027-010-01

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite,
Tremolite-Actinolite

Major Fibrous Components:

Cellulose 95%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 5%

Comments: BROWN LAYER CONTAINS 100% CE, BROWN BLK LAYERAnalyst: KD
CONTAINS 75% CE 25% TAR, NO ASBESTOS DETECT

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-0107

Sample #: B94-1027-010-02

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 75%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler 25%
Other %

Comments: 75% CELLOUSE, 25% TAR,

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-0108

Sample #: B94-1027-010-03

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose 100%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other %

Comments: 100% CELLULOSE, NO ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-0109

Sample #: B94-1027-010-04

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose 100%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other %

Comments: 100% CELLULOSE, NO ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5029

Date Analyzed: 10/27/94

Client Id #: 051-0110

Sample #: B94-1027-010-05

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite,
Tremolite-Actinolite

Major Fibrous Components:

Cellulose 100%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other %

Comments: 100% CELLULOSE, NO ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/28/94

Client Id #: 051-0111

Sample #: B94-1028-001-01

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose 30%
Glass %
Other ... SYNTHETIC 15%

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 55%

Comments: TAR PAPER CONTAINS 30% 15% SYN, TAR NON-
DECTED, NO ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/28/94

Client Id #: 051-0112

Sample #: B94-1028-001-02

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite,
Tremolite-Actinolite

Major Fibrous Components:

Cellulose 25%
Glass %
Other ... SYNTHETIC 15%

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 60%

Comments: TAR PAPER CONTAINS 25% CELLULOSE, 15% SYN
NO ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/28/94

Client Id #: 051-0113

Sample #: B94-1028-001-03

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose 35%
Glass %
Other ... SYNTHETIC 15%

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 50%

Comments: TAR PAPER CONTAINS 35% CELLULOSE, 15% SYN. Analyst: KD
NO ASBESTOS DETECTED

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/28/94

Client Id #: 051-0114

Sample #: B94-1028-001-04

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite,
Tremolite-Actinolite

Major Fibrous Components:

Cellulose 30%
Glass %
Other ... SYNTHETIC 15%

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 55%

Comments: TAR PAPER CONTAINS 30% CELLULOSE, 15% SYN
NO ASBESTOS DETECTED

....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/28/94

Client Id #: 051-0115

Sample #: B94-1028-001-05

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose 30%
Glass %
Other ... SYNTHETIC 15%

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 55%

Comments: TAR PAPER CONTAINS 30% CELLULOSE, 15% SYN
NO ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/28/94

Client Id #: 051-0116

Sample #: B94-1028-001-06

Estimated Percentage

Asbestiform:

Chrysotile.....	20 %
Amosite.....	
Crocidolite.....	
Anthophyllite	
Tremolite-Actinolite	

Major Fibrous Components:

Cellulose	%
Glass	%
Other ...	%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	%
Other ...	%

Comments: SILVER PAINT CONTAINS 20% CHRYSOTILE

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/29/94

Client Id #: 051-0117

Sample #: B94-1028-002-01

Estimated Percentage

Asbestiform:

Chrysotile.....	20	%
Amosite.....		
Crocidolite.....		
Anthophyllite		
Tremolite-Actinolite		

Major Fibrous Components:

Cellulose		%
Glass		%
Other ...		%

Major Non-Fibrous Materials:

Perlite		%
Mica		%
Binder/Filler		%
Other ...		%

Comments: SILVER PAINT CONTAINS 20% CHRYSOTILE

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/29/94

Client Id #: 051-0118

Sample #: B94-1028-002-02

Estimated Percentage

Asbestiform:

Chrysotile.....	20 %
Amosite.....	
Crocidolite.....	
Anthophyllite	
Tremolite-Actinolite	

Major Fibrous Components:

Cellulose	%
Glass	%
Other ...	%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	80%
Other ...	%

Comments: SILVER PAINT CONTAINS 20% CHRYSOTILE

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/29/94

Client Id #: 051-0119

Sample #: B94-1028-002-03

Estimated Percentage

Asbestiform:

Chrysotile.....	20 %
Amosite.....	
Crocidolite.....	
Anthophyllite	
Tremolite-Actinolite	

Major Fibrous Components:

Cellulose	%
Glass	%
Other ...	%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	80%
Other ...	%

Comments: SILVER PAINT CONTAINS 20% CHRYSOTILE

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/29/94

Client Id #: 051-0120

Sample #: B94-1028-002-04

Estimated Percentage

Asbestiform:

Chrysotile.....	20 %
Amosite.....	
Crocidolite.....	
Anthophyllite	
Tremolite-Actinolite	

Major Fibrous Components:

Cellulose	%
Glass	%
Other ...	%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	80%
Other ...	%

Comments: SILVER PAINT CONTAINS 20% CHRYSOTILE

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/29/94

Client Id #: 051-0121

Sample #: B94-1028-002-05

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose 45%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 54%

Comments: BLACK TAR PAPER CONTAINS 45% CELLULOSE
SILVER PAINT CONTAINS 20%, <1% CHRY IN SAMPLE

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/29/94

Client Id #: 051-0122

Sample #: B94-1028-002-06

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 45%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 54%

Comments: BLACK TAR PAPER CONTAINS 45% CE, SILVER PAINT CONTAINS 20% CHRY, <1% CHRY FOR SAMPLE

....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/29/94

Client Id #: 051-0123

Sample #: B94-1028-003-01

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 45%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 54%

Comments: BLACK TAR PAPER CONTAINS 45% CE, SILVER PAINT CONTAINS 20% CHRY, <1% CHRY FOR SAMPLE

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/29/94

Client Id #: 051-0124

Sample #: B94-1028-003-02

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 45%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 54%

Comments: BLACK TAR PAPER 45% CE, SILVER PAINT 20%
CHRY, <1% CHRY FOR SAMPLE

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/29/94

Client Id #: 051-0125

Sample #: B94-1028-003-03

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite,
Tremolite-Actinolite

Major Fibrous Components:

Cellulose 45%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 54%

Comments: BLACK TAR PAPER CONTAINS 45% CE, SILVER
PAINT CONTAINS 20% CHRY, <1% CHRY FOR SAMPLE

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/29/94

Client Id #: 051-0126

Sample #: B94-1028-003-04

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 45%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 54%

Comments: BLACK TAR PAPER CONTAINS 45% CE, SILVER
PAINT CONTAINS 20% CHRY, <1 CHRY FOR SAMPLE

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/29/94

Client Id #: 051-0127

Sample #: B94-1028-003-05

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose 40%
Glass %
Other ... SYNTHETIC 15%

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 45%

Comments: TAR PAPER CONTAINS 40% CE, 15% SYNTHETIC
NO ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/29/94

Client Id #: 051-0128

Sample #: B94-1028-003-06

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose 40%
Glass %
Other ... SYNTHETIC 15%

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 45%

Comments: TAR PAPER CONTAINS 40% CE, 15% SYNTHETIC
NO ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/29/94

Client Id #: 051-0129

Sample #: B94-1028-004-01

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 40%
Glass %
Other ... SYNTHETIC 15%

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 45%

Comments: TAR PAPER CONTAINS 40% CE, 15% SYNTHETIC
NO ASBESTOS DETECTED

.....Analyst: kd

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/29/94

Client Id #: 051-0130

Sample #: B94-1028-004-02

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose 45%
Glass %
Other ... SYNTHETIC 15%

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 40%

Comments: TAR PAPER CONTAINS 45% CE, 15% SYNTHETIC, NO ASBESTOS DETECTED Analyst: kd

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/29/94

Client Id #: 051-0131

Sample #: B94-1028-004-03

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose 55%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 44%

Comments: BLACK TAR PAPER 55%CE, SILVER PAINT 20% CHRY <1% CHRYSTOILE FOR SAMPLE, TRACE MICA Analyst: kd

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/29/94

Client Id #: 051-0132

Sample #: B94-1028-004-04

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 55%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 44%

Comments: TAR PAPER 55% CE, SILVER PAINT 20% CHRYSOTILE Analyst: kd
TR MICA, <1% CHRY FOR SAMPLE

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/29/94

Client Id #: 051-0133

Sample #: B94-1028-004-05

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 55%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 44%

Comments: BLACK TAR PAPER 55% CE, SILVER PAINT 20% CHRY <1% CHRYSOTILE FOR SAMPLE Analyst: kd

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/29/94

Client Id #: 051-0134

Sample #: B94-1028-004-06

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 55%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 44%

Comments: BLACK TAR PAPER CONTAINS 55% CE, SILVER
PAINT 20% CHRYSOTILE, <1% CHRY FOR SAMPLE

....Analyst: kd

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/29/94

Client Id #: 051-0135

Sample #: B94-1028-005-01

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose 55%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 44%

Comments: BLACK TAR PAPER 55% CE, SILVER PAINT 20%
CHRY, <1% CHRYSOTILE FOR SAMPLE

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/29/94

Client Id #: 051-0136

Sample #: B94-1028-005-02

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 45%
Glass %
Other ... SYNTHETIC 15%

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 40%

Comments: BLACK TAR PAPER CONTAINS 45% CE, 15%
SYNTHETIC, NO ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/29/94

Client Id #: 051-0137

Sample #: B94-1028-005-03

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose 45%
Glass %
Other ... SYNTHETIC 15%

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 40%

Comments: BLACK TAR PAPER CONTAINS 45% CE, 15% SYN
NO ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/29/94

Client Id #: 051-0138

Sample #: B94-1028-005-04

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose 45%
Glass %
Other ... SYNTHETIC 15%

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 40%

Comments: BLACK TAR PAPER CONTAINS 45% CE, 15% SYN
NO ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/29/94

Client Id #: 051-0139

Sample #: B94-1028-005-05

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose 45%
Glass %
Other ... SYNTHETIC 15%

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 40%

Comments: BLACK TAR PAPER CONTAINS 45% CE, 15% SYN
NO ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/29/94

Client Id #: 051-0140

Sample #: B94-1028-005-06

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose 45%
Glass %
Other ... SYNTHETIC 15%

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 40%

Comments: BLACK TAR PAPER CONTAINS 45% CE, 15% SYN
NO ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/29/94

Client Id #: 051-0141

Sample #: B94-1028-006-01

Estimated Percentage

Asbestiform:

Chrysotile.....	2 %
Amosite.....	
Crocidolite.....	
Anthophyllite	
Tremolite-Actinolite	

Major Fibrous Components:

Cellulose	48%
Glass	%
Other ... SYNTHETIC	2%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	%
Other ... TAR & MICA	48%

Comments: TAR PAPER CONTAINS 48% CE, 2% SYN,
15% CHRY IN TAR, 2% CHRY FOR SAMPLE

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/29/94

Client Id #: 051-0142

Sample #: B94-1028-006-02

Estimated Percentage

Asbestiform:

Chrysotile.....	2 %
Amosite.....	
Crocidolite.....	
Anthophyllite	
Tremolite-Actinolite	

Major Fibrous Components:

Cellulose	48%
Glass	%
Other ... SYNTHETIC	2%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	%
Other ... TAR & MICA	48%

Comments: BLACK TAR PAPER 50% CE, 2% SYN, 15% CHRY IN TAR, 2% CHRY FOR SAMPLE Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/29/94

Client Id #: 051-0143

Sample #: B94-1028-006-03

Estimated Percentage

Asbestiform:

Chrysotile.....	2 %
Amosite.....	
Crocidolite.....	
Anthophyllite	
Tremolite-Actinolite	

Major Fibrous Components:

Cellulose	48%
Glass	%
Other ... SYNTHETIC	2%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	%
Other ... TAR & MICA	48%

Comments: BLACK TAR PAPER CONTAINS 40% CE, 2% SYN
15% CHRY IN TAR, 2% CHRY FOR SAMPLE

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/29/94

Client Id #: 051-0144

Sample #: B94-1028-006-04

Estimated Percentage

Asbestiform:

Chrysotile.....	2 %
Amosite.....	
Crocidolite.....	
Anthophyllite	
Tremolite-Actinolite	

Major Fibrous Components:

Cellulose	48%
Glass	%
Other ... SYNTHETIC	2%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	%
Other ... TAR & MICA	48%

Comments: BLACK TAR PAPER CONTAINS 48% CE, 2% SYN
TAR 15% CHRYSOTILE, 2% CHRY FOR SAMPLE

....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/29/94

Client Id #: 051-0145

Sample #: B94-1028-006-05

Estimated Percentage

Asbestiform:

Chrysotile.....	2 %
Amosite.....	
Crocidolite.....	
Anthophyllite	
Tremolite-Actinolite	

Major Fibrous Components:

Cellulose	48%
Glass	%
Other ... SYNTHETIC	2%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	%
Other ... TAR & MICA	48%

Comments: BLACK TAR PAPER 48% CE, 2% SYN, TAR CONTAINS 15% CHRY, 2% FOR SAMPLE Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/29/94

Client Id #: 051-0146

Sample #: B94-1028-006-06

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 25%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... GYPSUM & PAINT 75%

Comments: SHEETROCK CONTAINS 25% CE, MUD 5% CHRY
PAINT LAYERS NON-FIBROUS, <1% CHRY FOR SAMPLE

..... Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/29/94

Client Id #: 051-0147

Sample #: B94-1028-007-01

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 25%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... GYPSUM & PAINT 75%

Comments: SHEETROCK CONTAINS 25% CE, NO MUD IN SAMPLE
NO ASBESTOS DETECTED, PAINT NON-FIBROUS

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/29/94

Client Id #: 051-0148

Sample #: B94-1028-007-02

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 25%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... GYPSUM & PAINT 75%

Comments: SHEETROCK CONTAINS 25% CE, NO MUD IN SAMPLE
NO ASBESTOS DETECTED, PAINT NON-FIBROUS

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/29/94

Client Id #: 051-0149

Sample #: B94-1028-007-03

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose 25%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... GYPSUM & PAINT 75%

Comments: SHEETROCK CONTAINS 25% CE, NO MUD IN SAMPLE Analyst: KD
PAINT NON-FIBROUS, NO ASBESTOS DETECTED

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/29/94

Client Id #: 051-0150

Sample #: B94-1028-007-04

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 25%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... GYPSUM & PAINT 75%

Comments: SHEETROCK CONTAINS 25% CE, MUD CONTAINS 5% CHRY. <1% CHRY FOR SAMPLE, PAINT NON-FIBROUS Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/29/94

Client Id #: 051-0151

Sample #: B94-1028-007-05

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose 65%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 35%

Comments: TAR PAPER CONTAINS 65% CELLULOSE
NO ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/29/94

Client Id #: 051-0152

Sample #: B94-1028-007-06

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose 65%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 35%

Comments: TAR PAPER CONTAINS 65% CE, NO ASBESTOS
DETECTED

....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/29/94

Client Id #: 051-0153

Sample #: B94-1028-008-01

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 65%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 35%

Comments: TAR PAPER CONTAINS 65% CELLULOSE, NO
ASBESOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/29/94

Client Id #: 051-0154

Sample #: B94-1028-008-02

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose 65%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 35%

Comments: TAR PAPER CONTAINS 65% CELLULOSE, NO ASBESTOS DETECTED Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/29/94

Client Id #: 051-0155

Sample #: B94-1028-008-03

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 65%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 35%

Comments: TAR PAPER CONTAINS 65% CELLULOSE, NO ASBESTOS DETECTED Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/31/94

Client Id #: 051-0156

Sample #: B94-1028-008-04

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 40%
Glass %
Other ... SYNTHETIC & HAIR 15%

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 45%

Comments: TAR PAPER CONTAINS 40%CE, 15% HAIR & SYN
NO ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/29/94

Client Id #: 051-0157

Sample #: B94-1028-008-05

Estimated Percentage

Asbestiform:

Chrysotile.....	20 %
Amosite.....	
Crocidolite.....	
Anthophyllite	
Tremolite-Actinolite	

Major Fibrous Components:

Cellulose	38%
Glass	%
Other ... HAIR	2%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	%
Other ... TAR	40%

Comments: TAR PAPER CONTAINS 20% CHRYSOTILE, 38% CEAnalyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/29/94

Client Id #: 051-0158

Sample #: B94-1028-008-06

Estimated Percentage

Asbestiform:

Chrysotile.....	20 %
Amosite.....	
Crocidolite.....	
Anthophyllite	
Tremolite-Actinolite	

Major Fibrous Components:

Cellulose	38%
Glass	%
Other ... HAIR	2%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	%
Other ... TAR	40%

Comments: TAR PAPER CONTAINS 20% CHRYSOTILE, 48% CE Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/30/94

Client Id #: 051-0159

Sample #: B94-1028-009-01

Estimated Percentage

Asbestiform:

Chrysotile.....	20 %
Amosite.....	
Crocidolite.....	
Anthophyllite	
Tremolite-Actinolite	

Major Fibrous Components:

Cellulose	38%
Glass	%
Other ... HAIR	2%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	%
Other ... TAR	40%

Comments: TAR PAPER CONTAINS 20% CHRYSOTILE
38% CELLULOSSE

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/30/94

Client Id #: 051-0160

Sample #: B94-1028-009-02

Estimated Percentage

Asbestiform:

Chrysotile.....	20 %
Amosite.....	
Crocidolite.....	
Anthophyllite	
Tremolite-Actinolite	

Major Fibrous Components:

Cellulose	38%
Glass	%
Other ... HAIR	2%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	%
Other ... TAR	40%

Comments: TAR PAPER CONTAINS 20% CHRYSOTILE,
38% CELLULOSE

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/30/94

Client Id #: 051-0161

Sample #: B94-1028-009-03

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 55%
Glass %
Other ... SYNTHETIC & HAIR 2%

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 43%

Comments: TAR PAPER CONTAINS 55% CE, 2% SYN & HAIR
NO ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/30/94

Client Id #: 051-0162

Sample #: B94-1028-009-04

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose 55%
Glass %
Other ... SYNTHETIC & HAIR 2%

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 43%

Comments: TAR PAPER CONTAINS 55% CE, 2% SYN & HAIR Analyst: KD

bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/30/94

Cient Id #: 051-0163

Sample #: B94-1028-009-05

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 55%
Glass %
Other ... SYNTHETIC & HAIR 2%

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other %

Comments: TAR PAPER CONTAINS 55% CE, 2% SYN & HAIR Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/30/94

Client Id #: 051-0164

Sample #: B94-1028-009-06

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose 55%
Glass %
Other ... SYN 2%

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 43%

Comments: TAR PAPER CONTAINS 55% CE, 2% SYN, NO
ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/30/94

Client Id #: 051-0165

Sample #: B94-1028-010-01

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose 55%
Glass %
Other ... SYNTHETIC & HAIR 2%

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... TAR 43%

Comments: TAR PAPER CONTAINS 55% CELLULOSE, 2% SYN & Analyst: KD
HAIR, NO ASBESTOS DETECTED

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/30/94

Client Id #: 051-0166

Sample #: B94-1028-010-02

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose 99%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... WHITE PAINT %

Comments: CEILING TILE CONTAINS 100% CE, TRACE OF
WHITE PAINT, NO ASBESTOS DETECTED

....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/30/94

Client Id #: 051-0167

Sample #: B94-1028-010-03

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose 99%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... WHITE PAINT %

Comments: CEILING TILE CONTAINS 100% CE, TRACE OF
WHITE PAINT , NO ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/30/94

Client Id #: 051-0168

Sample #: B94-1028-010-04

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite,
Tremolite-Actinolite

Major Fibrous Components:

Cellulose 99%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... WHITE PAINT %

Comments: CEILING TILE CONTAINS 100% CE, TRACE OF
WHITE PAINT, NO ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/30/94

Client Id #: 051-0169

Sample #: B94-1028-010-05

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose 99%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... WHITE PAINT %

Comments: CEILING TILE CONTAIN 100% CE, TRACE WHITE PAINT, NO ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/30/94

Client Id #: 051-0170

Sample #: B94-1028-010-06

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite,
Tremolite-Actinolite

Major Fibrous Components:

Cellulose 99%
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... WHITE PAINT %

Comments: CEILING TILE CONTAINS 100% CE, TRACE OF
WHITE PAINT, NO ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/30/94

Client Id #: 051-0171

Sample #: B94-1028-011-01

Estimated Percentage

Asbestiform:

Chrysotile.....	3	%
Amosite.....		
Crocidolite.....		
Anthophyllite		
Tremolite-Actinolite		

Major Fibrous Components:

Cellulose		%
Glass		%
Other		%

Major Non-Fibrous Materials:

Perlite		%
Mica		%
Binder/Filler		%
Other ... VINYL & TAR	97%	

Comments: FLOOR TILE CONTAINS 2% CHRYSOTILE, BLACK
MASTIC CONTAINS 15% CHRY, TOTAL 3% CHRY

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/30/94

Client Id #: 051-0172

Sample #: B94-1028-011-02

Estimated Percentage

Asbestiform:

Chrysotile.....	3	%
Amosite.....		
Crocidolite.....		
Anthophyllite		
Tremolite-Actinolite		

Major Fibrous Components:

Cellulose		%
Glass		%
Other ...		%

Major Non-Fibrous Materials:

Perlite		%
Mica		%
Binder/Filler		%
Other ... VINYL & MASTIC	97%	

Comments: FLOOR TILE CONTAINS 2% CHRY, BLACK MASTIC Analyst: KD
15% CHRY, TOTAL FOR SAMPLE 3% CHRY

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/30/94

Client Id #: 051-0173

Sample #: B94-1028-011-03

Estimated Percentage

Asbestiform:

Chrysotile.....	3	%
Amosite.....		
Crocidolite.....		
Anthophyllite		
Tremolite-Actinolite		

Major Fibrous Components:

Cellulose		%
Glass		%
Other		%

Major Non-Fibrous Materials:

Perlite		%
Mica		%
Binder/Filler		%
Other ... VINYL & MASTIC	97%	

Comments: FLOOR TILE CONTAINS 2% CHRY, BLACK MASTIC
15% CHRY, TOTAL 3% FOR SAMPLE

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/30/94

Client Id #: 051-0174

Sample #: B94-1028-011-04

Estimated Percentage

Asbestiform:

Chrysotile.....	3	%
Amosite.....		
Crocidolite.....		
Anthophyllite		
Tremolite-Actinolite		

Major Fibrous Components:

Cellulose		%
Glass		%
Other		%

Major Non-Fibrous Materials:

Perlite		%
Mica		%
Binder/Filler		%
Other ... VINYL & TAR	97%	

Comments: FLOOR TILE CONTAINS 2% CHRY, BLACK MASTIC 15% Analyst: KD
CHRY, TOTAL 3% CHRY FOR SAMPLE

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/30/94

Client Id #: 051-0175

Sample #: B94-1028-011-05

Estimated Percentage

Asbestiform:

Chrysotile.....	3 %
Amosite.....	
Crocidolite.....	
Anthophyllite	
Tremolite-Actinolite	

Major Fibrous Components:

Cellulose	%
Glass	%
Other	%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	%
Other ... VINYL & MASTIC	97%

Comments: FLOOR TILE CONTAINS 2% CHRY, BLACK MASTIC
15% CHRY, TOTAL FOR SAMPLE 3% CHRY

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/30/94

Client Id #: 051-0176

Sample #: B94-1028-011-06

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose %
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... MASTIC 100%

Comments: BROWN COVE MASTIC CONTAINS NO FIBERS
NO ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/30/94

Client Id #: 051-0177

Sample #: B94-1028-012-01

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose %
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... BROWN MASTIC 100%

Comments: BROWN COVE MASTIC CONTAINS NO FIBERS, NO
ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/30/94

Client Id #: 051-0178

Sample #: B94-1028-012-02

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose %
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... BROWN MASTIC 100%

Comments: BROWN COVE MASTIC CONTAINS NO FIBERS
NO ASBESTOS DETECTED

....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/30/94

Client Id #: 051-0179

Sample #: B94-1028-012-03

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose %
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... BROWN MASTIC 100%

Comments: BROWN COVE MASTIC CONTAINS NO FIBERS
NO ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/30/94

Client Id #: 051-0180

Sample #: B94-1028-012-04

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose %
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... BROWN MASTIC 100%

Comments: BROWN COVE MASTIC CONTAINS NO FIBERS
NO ASBESTOS DETECTED

....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/30/94

Client Id #: 051-0181

Sample #: B94-1028-012-05

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose %
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... WINDOW GLAZE & PAINT 99%

Comments: WINDOW GLAZE CONTAINS <1% CHRY
PAINT NON DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/30/94

Client Id #: 051-0182

Sample #: B94-1028-012-06

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose %
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... WINDOW GLAZE & PAINT 99%

Comments: WINDOW GLAZE CONTAINS <1% CHRYSOTILE
PAINT NON-DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/30/94

Client Id #: 051-0183

Sample #: B94-1028-013-01

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose %
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other %

Comments: 2 LAYER WINDOW GLAZE, GREY LAYER CONTAINS , Analyst: KD
<1% CHRY

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/30/94

Client Id #: 051-0184

Sample #: B94-1028-013-02

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose %
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... WINDOW GLAZE & PAINT 99%

Comments: GREY WINDOW GLAZE CONTAIN <1%
PAINT & CREAM WINDOW GLAZE NON-FIBROUS

....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/30/94

Client Id #: 051-0185

Sample #: B94-1028-013-03

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite

Tremolite-Actinolite

Major Fibrous Components:

Cellulose %
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... WINDOW GLAZE & PAINT 100%

Comments: WINDOW GLAZE AND PAINT NON-FIBROUS
NO ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/30/94

Client Id #: 051-0186

Sample #: B94-1028-013-04

Estimated Percentage

Asbestiform:

Chrysotile.....	5	%
Amosite.....		
Crocidolite.....		
Anthophyllite		
Tremolite-Actinolite		

Major Fibrous Components:

Cellulose		%
Glass		%
Other ...		%

Major Non-Fibrous Materials:

Perlite		%
Mica		%
Binder/Filler		%
Other ... VINYL		95%

Comments: FLOOR TILE CONTAINS 5% CHRYSOTILE, NO
MASTIC ON SAMPLE

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/30/94

Client Id #: 051-0187

Sample #: B94-1028-013-05

Estimated Percentage

Asbestiform:

Chrysotile.....	3	%
Amosite.....		
Crocidolite.....		
Anthophyllite		
Tremolite-Actinolite		

Major Fibrous Components:

Cellulose		%
Glass		%
Other ...		%

Major Non-Fibrous Materials:

Perlite		%
Mica		%
Binder/Filler		%
Other ... VINYL	97%	

Comments: GREY & WHITE FLOOR TILE CONTAINS 3% CHRY
NO MASTIC ON SAMPLE

....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/30/94

Client Id #: 051-0188

Sample #: B94-1028-013-06

Estimated Percentage

Asbestiform:

Chrysotile.....	2	%
Amosite.....		
Crocidolite.....		
Anthophyllite		
Tremolite-Actinolite		

Major Fibrous Components:

Cellulose	%
Glass	%
Other ...	%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	%
Other ... VINYL & METAL FLAKES	98%

Comments: FLOOR TILE CONTAINS METAL FLAKES,
2% CHRYSOTILE

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/31/94

Client Id #: 051-0189

Sample #: B94-1028-014-01

Estimated Percentage

Asbestiform:

Chrysotile.....	7	%
Amosite.....		
Crocidolite.....		
Anthophyllite		
Tremolite-Actinolite		

Major Fibrous Components:

Cellulose	%
Glass	%
Other ...	%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	%
Other ... VINYL	93%

Comments: FLOOR TILE CONTAINS 7% CHRYSOTILE, NO
MASTIC ON SAMPLE

....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/31/94

Client Id #: 051-0190

Sample #: B94-1028-014-02

Estimated Percentage

Asbestiform:

Chrysotile.....	7	%
Amosite.....		
Crocidolite.....		
Anthophyllite		
Tremolite-Actinolite		

Major Fibrous Components:

Cellulose		%
Glass		%
Other		%

Major Non-Fibrous Materials:

Perlite		%
Mica		%
Binder/Filler		%
Other ... VINYL	93%	

Comments: FLOOR TILE CONTAINS 7% CHRYSOTILE, NO
MASTIC ON SAMPLE

....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/31/94

Client Id #: 051-0191

Sample #: B94-1028-014-03

Estimated Percentage

Asbestiform:

Chrysotile.....	2	%
Amosite.....		
Crocidolite.....		
Anthophyllite		
Tremolite-Actinolite		

Major Fibrous Components:

Cellulose		%
Glass		%
Other		%

Major Non-Fibrous Materials:

Perlite		%
Mica		%
Binder/Filler		%
Other ... WINDOW GLAZE	98%	

Comments: WINDOW GLAZE CONTAINS 2% CHRYSOTILE

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/31/94

Client Id #: 051-0192

Sample #: B94-1028-014-04

Estimated Percentage

Asbestiform:

Chrysotile.....	2	%
Amosite.....		
Crocidolite.....		
Anthophyllite		
Tremolite-Actinolite		

Major Fibrous Components:

Cellulose		%
Glass		%
Other ...		%

Major Non-Fibrous Materials:

Perlite		%
Mica		%
Binder/Filler		%
Other ... WINDOW GLAZE	98%	

Comments: WINDOW GLAZE CONTAINS 2% CHRYSOTILE

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/31/94

Client Id #: 051-0193

Sample #: B94-1028-014-05

Estimated Percentage

Asbestiform:

Chrysotile.....	2	%
Amosite.....		
Crocidolite.....		
Anthophyllite		
Tremolite-Actinolite		

Major Fibrous Components:

Cellulose		%
Glass		%
Other ...		%

Major Non-Fibrous Materials:

Perlite		%
Mica		%
Binder/Filler		%
Other ... WINDOW GLAZE	98%	

Comments: WINDOW GLAZE CONTAINS 2% CHRYSOTILE

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/31/94

Client Id #: 051-0194

Sample #: B94-1028-014-06

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose %
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... WINDOW GLAZE 100%

Comments: TAN WINDOW GLAZE CONTAINS NO FIBERS
NO ASBESTOS DETECTED

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/31/94

Client Id #: 051-0195

Sample #: B94-1028-015-01

Estimated Percentage

Asbestiform:

Chrysotile.....	2	%
Amosite.....		
Crocidolite.....		
Anthophyllite		
Tremolite-Actinolite		

Major Fibrous Components:

Cellulose		%
Glass		%
Other ...		%

Major Non-Fibrous Materials:

Perlite		%
Mica		%
Binder/Filler		%
Other ... WINDOW GLAZE	98%	

Comments: WINDOW GLAZE CONTAINS 2% CHRYSOTILE

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/31/94

Client Id #: 051-0196

Sample #: B94-1028-015-02

Estimated Percentage

Asbestiform:

Chrysotile.....	30 %
Amosite.....	
Crocidolite.....	
Anthophyllite	
Tremolite-Actinolite	

Major Fibrous Components:

Cellulose	%
Glass	%
Other	%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	%
Other ... CEMENT	70%

Comments: CAB SIDING CONTAINS 30% CHRYSOTILE

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/31/94

Client Id #: 051-0197

Sample #: B94-1028-015-03

Estimated Percentage

Asbestiform:

Chrysotile.....	30 %
Amosite.....	
Crocidolite.....	
Anthophyllite	
Tremolite-Actinolite	

Major Fibrous Components:

Cellulose	%
Glass	%
Other ...	%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	%
Other ... CEMENT	70%

Comments: CAB SIDING CONTAINS 30% CHRYSOTILE

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/31/94

Client Id #: 051-0198

Sample #: B94-1028-015-04

Estimated Percentage

Asbestiform:

Chrysotile.....	30 %
Amosite.....	
Crocidolite.....	
Anthophyllite	
Tremolite-Actinolite	

Major Fibrous Components:

Cellulose	%
Glass	%
Other	%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	%
Other ... CEMENT	70%

Comments: CAB SIDING CONTAINS 30% CHRYSOTILE

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/31/94

Client Id #: 051-0199

Sample #: B94-1028-015-05

Estimated Percentage

Asbestiform:

Chrysotile.....	30 %
Amosite.....	
Crocidolite.....	
Anthophyllite	
Tremolite-Actinolite	

Major Fibrous Components:

Cellulose	%
Glass	%
Other	%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	%
Other ... CEMENT	70%

Comments: CAB SIDING CONTAINS 30% CHRYSOTILE

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/31/94

Client Id #: 051-0200

Sample #: B94-1028-015-06

Estimated Percentage

Asbestiform:

Chrysotile.....	30 %
Amosite.....	
Crocidolite.....	
Anthophyllite	
Tremolite-Actinolite	

Major Fibrous Components:

Cellulose	%
Glass	%
Other	%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	%
Other ... CEMENT	70%

Comments: CAB SIDING CONTAINS 30% CHRYSOTILE

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/31/94

Client Id #: 051-0201

Sample #: B94-1028-016-01

Estimated Percentage

Asbestiform:

Chrysotile.....	45 %
Amosite.....	
Crocidolite.....	
Anthophyllite	
Tremolite-Actinolite	

Major Fibrous Components:

Cellulose	%
Glass	%
Other ...	%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	55%
Other ...	%

Comments: ELECTRICAL PANEL CONTAINS 45% CHRYSOTILE

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/31/94

Client Id #: 051-0202

Sample #: B94-1028-016-02

Estimated Percentage

Asbestiform:

Chrysotile.....	45 %
Amosite.....	
Crocidolite.....	
Anthophyllite	
Tremolite-Actinolite	

Major Fibrous Components:

Cellulose	%
Glass	%
Other ...	%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	%
Other ...	%

Comments: ELECTRICAL PANEL CONTAINS 45% CHRYSOTILE

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/31/94

Client Id #: 051-0203

Sample #: B94-1028-016-03

Estimated Percentage

Asbestiform:

Chrysotile.....	45 %
Amosite.....	
Crocidolite.....	
Anthophyllite	
Tremolite-Actinolite	

Major Fibrous Components:

Cellulose	%
Glass	%
Other ...	%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	55%
Other ...	%

Comments: ELECTRICAL PANEL CONTAINS 45% CHRYSOTILE Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/31/94

Client Id #: 051-0204

Sample #: B94-1028-016-04

Estimated Percentage

Asbestiform:

Chrysotile.....	45 %
Amosite.....	
Crocidolite.....	
Anthophyllite	
Tremolite-Actinolite	

Major Fibrous Components:

Cellulose	%
Glass	%
Other ...	%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	55%
Other ...	%

Comments: ELECTRICAL PANEL CONTAINS 45% CHRYSOTILE

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/31/94

Client Id #: 051-0205

Sample #: B94-1028-016-05

Estimated Percentage

Asbestiform:

Chrysotile.....	45 %
Amosite.....	
Crocidolite.....	
Anthophyllite	
Tremolite-Actinolite	

Major Fibrous Components:

Cellulose	%
Glass	%
Other ...	%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	%
Other ...	%

Comments: ELECTRICAL PANEL CONTAINS 45% CHRYSOTILE

.....Analyst: KD

Bulk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/31/94

Client Id #: 051-0206

Sample #: B94-1028-016-06

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite ..
Tremolite-Actinolite ..

Major Fibrous Components:

Cellulose %
Glass %
Other ... SYNTHETIC 20%

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler 80%
Other %

Comments: SAMPLE CONTAINS 20% SYNTHETIC, TRACE OF FIBER GLASS ON EDGE OF SAMPLE, NO ASBESTOS DETECTED Analyst: KD

lk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/31/94

lient Id #: 051-0207

Sample #: B94-1028-017-01

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite
Tremolite-Actinolite

Major Fibrous Components:

Cellulose %
Glass %
Other ... SYNTHETIC 20%

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler 80%
Other %

Comments: SAMPLE CONTAINS 20% SYNTHETIC, TRACE OF FIBER Analyst: KD
GLASS ON EDGES, NO ASBESTOS DETECTED

lk Material Characterization Form

ab Id: 5030

Date Analyzed: 10/31/94

ient Id #: 051-0208

Sample #: B94-1028-017-02

Estimated Percentage

asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite
Tremolite-Actinolite

Major Fibrous Components:

Cellulose %
Glass 2%
Other ... SYNTHETIC 20%

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler 78%
Other %

Comments: SAMPLE CONTAINS 20% SYNTHETIC, 2% FIBER
GLASS ON EDGE, NO ASBESTOS DETECTED

....Analyst: KD

lk Material Characterization Form

ab Id: 5030

Date Analyzed: 10/31/94

ient Id #: 051-0209

Sample #: B94-1028-017-03

Estimated Percentage

sbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite
Tremolite-Actinolite

ajor Fibrous Components:

Cellulose %
Glass %
Other ... SYNTHETIC 20%

major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler 80%
Other %

Comments: SAMPLE CONTAINS 20% SYNTHETIC, NO ASBESTOS DETECTEDAnalyst: KD

1k Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/31/94

lient Id #: 051-0210

Sample #: B94-1028-017-04

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite,
Tremolite-Actinolite

Major Fibrous Components:

Cellulose %
Glass 1%
Other ... SYNTHETIC 20%

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler 79%
Other %

Comments: SAMPLE CONTAINS 20% SYN, 1% FIBERGLASS, TRACE Analyst: KD
OF CELLULOSE, NO ASBESTOS DETECTED

lk Material Characterization Form

ab Id: 5030

Date Analyzed: 10/31/94

ient Id #: 051-0211

Sample #: B94-1028-017-05

Estimated Percentage

sbestifrom:

Chrysotile.....	20 %
Amosite.....	
Crocidolite.....	
Anthophyllite	
Tremolite-Actinolite	

ajor Fibrous Components:

Cellulose	%
Glass	%
Other ...	%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	%
Other ... SILVER PAINT	80%

Comments: SILVER PAINT CONTAINS 20% CHRYSOTILE

....Analyst: KD

lk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/31/94

lient Id #: 051-0212

Sample #: B94-1028-017-06

Estimated Percentage

Asbestiform:

Chrysotile.....	20 %
Amosite.....	
Crocidolite.....	
Anthophyllite	
Tremolite-Actinolite	

Major Fibrous Components:

Cellulose	%
Glass	%
Other	%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	%
Other ... SILVER PAINT & TAR	80%

Comments: SILVER PAINT & TAR CONTAINS 20% CHRYSOTILEAnalyst: KD

lk Material Characterization Form

ab Id: 5030

Date Analyzed: 10/31/94

lient Id #: 051-0213

Sample #: B94-1028-018-01

Estimated Percentage

bestifrom:

Chrysotile.....	3	%
Amosite.....		
Crocidolite.....		
Anthophyllite		
Tremolite-Actinolite		

ajor Fibrous Components:

Cellulose		%
Glass		%
Other ... SYNTHETIC	10%	

ajor Non-Fibrous Materials:

Perlite		%
Mica		%
Binder/Filler		%
Other ... SILVER PAINT & TAR	87%	

nments: SILVER PAINT CONTAINS 20% CHRY, TAR LAYERAnalyst: KD
10% SYN, TOTAL SAMPLE CONTAINS 3% CHRY

lk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/31/94

lient Id #: 051-0214

Sample #: B94-1028-018-02

Estimated Percentage

Asbestiform:

Chrysotile.....	20 %
Amosite.....	
Crocidolite.....	
Anthophyllite	
Tremolite-Actinolite	

Major Fibrous Components:

Cellulose	%
Glass	%
Other	%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	%
Other ... SILVER PAINT & TAR	80%

Comments: SILVER PAINT & TAR CONTAINS 20% CHRYSOTILEAnalyst: KD

Wk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/31/94

Cent Id #: 051-0215

Sample #: B94-1028-018-03

Estimated Percentage

Asbestiform:

Chrysotile.....	20	%
Amosite.....		
Crocidolite.....		
Anthophyllite		
Tremolite-Actinolite		

Major Fibrous Components:

Cellulose		%
Glass		%
Other		%

Major Non-Fibrous Materials:

Perlite		%
Mica		%
Binder/Filler		%
Other ... SILVER PAINT	80%	

Comments: SILVER PAINT CONTAINS 20% CHRYSOTILE

.....Analyst: KD

Waste Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/31/94

Sample Id #: 051-0216

Sample #: B94-1028-018-04

Estimated Percentage

Asbestiform:

Chrysotile.....	10 %
Amosite.....	
Crocidolite.....	
Anthophyllite	
Tremolite-Actinolite	

Major Fibrous Components:

Cellulose	%
Glass	%
Other ... SYNTHETIC	5%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	%
Other ... SILVER PAINT & TAR	85%

Comments: SILVER PAINT CONTAINS 20% CHRY, TAR CONTAINS Analyst: KD
SYN, 10% CHRYSOTILE FOR TOTAL SAMPLE

Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/31/94

Sample Id #: 051-0217

Sample #: B94-1028-018-05

Estimated Percentage

Asbestiform:

Chrysotile.....	1 %
Amosite.....	
Crocidolite.....	
Anthophyllite	
Tremolite-Actinolite	

Major Fibrous Components:

Cellulose	15%
Glass	%
Other ... SYNTHETIC	5%

Major Non-Fibrous Materials:

Perlite	%
Mica	%
Binder/Filler	%
Other ... SILVER PAINT & TAR	79%

Comments: SILVER PAINT CONTAINS 20% CHRY, TAR CONTAINS 5% SYN & 15% CE TOTAL CHRY FOR SAMPLE 1%CHRY Analyst: KD

Rock Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/31/94

Sample Id #: 051-0218

Sample #: B94-1028-018-06

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite,
Tremolite-Actinolite

Major Fibrous Components:

Cellulose %
Glass %
Other ... SYNTHETIC 20%

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... SILVER PAINT & TAR 79%

Comments: SILVER PAINT 20% CHRY, 20% SYN IN TAR LAYER Analyst: KD
TOTAL CHRYSOTILE FOR SAMPLE <1%

lk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/31/94

lient Id #: 051-0219

Sample #: B94-1028-019-01

Estimated Percentage

bestifrom:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite,
Tremolite-Actinolite

ajor Fibrous Components:

Cellulose %
Glass %
Other ... SYNTHETIC 30%

ajor Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... SILVER PAINT &TAR 69%

Comments: SILVER PAINT CONTAINS 20% CHRY, TAR CONTAINS Analyst: KD
30% SYN, TOTAL CHRYSOTILE FOR SAMPLE <1%

Wilk Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/31/94

Sample Id #: 051-0220

Sample #: B94-1028-019-02

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite,
Tremolite-Actinolite

Major Fibrous Components:

Cellulose 30%
Glass %
Other ... SYNTHETIC 20%

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... SILVER PAINT & TAR 50%

Comments: SILVER PAINT CONTAINS 20% CHRY, TAR PAPER Analyst: KD
IS CE & SYN, <1 CHRY FOR TOTAL SAMPLE

lk Material Characterization Form

ab Id: 5030

Date Analyzed: 10/31/94

lient Id #: 051-0221

Sample #: B94-1028-019-03

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite,
Tremolite-Actinolite

Major Fibrous Components:

Cellulose %
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... SILVER PAINT 100%

Comments: SILVER BOILER PAINT IS NON-FIBROUS, NO
ASBESTOS DETECTED

Analyst: KD

lk Material Characterization Form

ab Id: 5030

Date Analyzed: 10/31/94

ient Id #: 051-0222

Sample #: B94-1028-019-04

Estimated Percentage

bestifrom:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite,
Tremolite-Actinolite

ajor Fibrous Components:

Cellulose %
Glass %
Other %

ajor Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... SILVER PAINT 100%

ments: SILVER BOILER PAINT IS NON-FIBROUS
NO ASBESTOS DETECTED

....Analyst: KD

lk Material Characterization Form

ab Id: 5030

Date Analyzed: 10/31/94

ient Id #: 051-0223

Sample #: B94-1028-019-05

Estimated Percentage

bestifrom:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite
Tremolite-Actinolite

or Fibrous Components:

Cellulose %
Glass %
Other %

ajor Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... SILVER PAINT 100%

nments: SILVER PAINT IS NON-FIBROUS, NO ASBESTOS DETECTED Analyst: KD

Material Characterization Form

Lab Id: 5030

Date Analyzed: 10/31/94

Sample Id #: 051-0224

Sample #: B94-1028-019-06

Estimated Percentage

Asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite
Tremolite-Actinolite

Major Fibrous Components:

Cellulose %
Glass %
Other %

Major Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... SILVER PAINT 100%

Comments: SILVER PAINT IS NON-FIBROUS, NO ASBESTOS
DETECTED

.....Analyst: KD

lk Material Characterization Form

ab Id: 5030

Date Analyzed: 10/31/94

ient Id #: 051-0225

Sample #: B94-1028-019-07

Estimated Percentage

asbestiform:

Chrysotile.....
Amosite.....
Crocidolite.....
Anthophyllite,
Tremolite-Actinolite

ajor Fibrous Components:

Cellulose %
Glass %
Other %

ajor Non-Fibrous Materials:

Perlite %
Mica %
Binder/Filler %
Other ... SILVER PAINT 100%

mments: SILVER PAINT IS NON-FIBROUS, NO ASBESTOS
DETECTED

....Analyst: KD

APPENDIX D

CERTIFICATES

Certificate of Completion

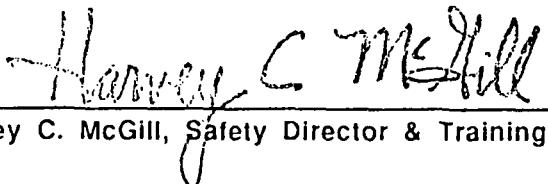
Duane K. Hauseur

has successfully completed the requisite training and examination for
accreditation under TSCA Title II

EPA AHERA (Asbestos Hazard Emergency Response Act)
and ASHARA Model Accreditation program requirements for
AHERA BUILDING INSPECTOR REFRESHER

as presented by
HAZCON, Inc.

Course Date: 4-18-94 through 4-18-94



Harvey C. McGill, Safety Director & Training Manager

Accreditation(b) (6)

Expiration Date: 4-18-95

Examination Date: 4-18-94



HAZCON, Inc. 11675 SW 66th Ave. Portland, Oregon 97223 •(503) 968-2112 •fax (503) 968-2213 •1-800-967-3705

United States Department of Commerce
National Institute of Standards and Technology



MOUNTAIN LABORATORIES
MISSOULA, MT

is recognized under the National Voluntary Laboratory Accreditation Program
for satisfactory compliance with criteria established in Title 15, Part 7 Code of Federal Regulations.
Accreditation is awarded for specific services, listed on the Scope of Accreditation, for:

BULK ASBESTOS FIBER ANALYSIS

October 1, 1994

Effective until




For the National Institute of Standards and Technology